

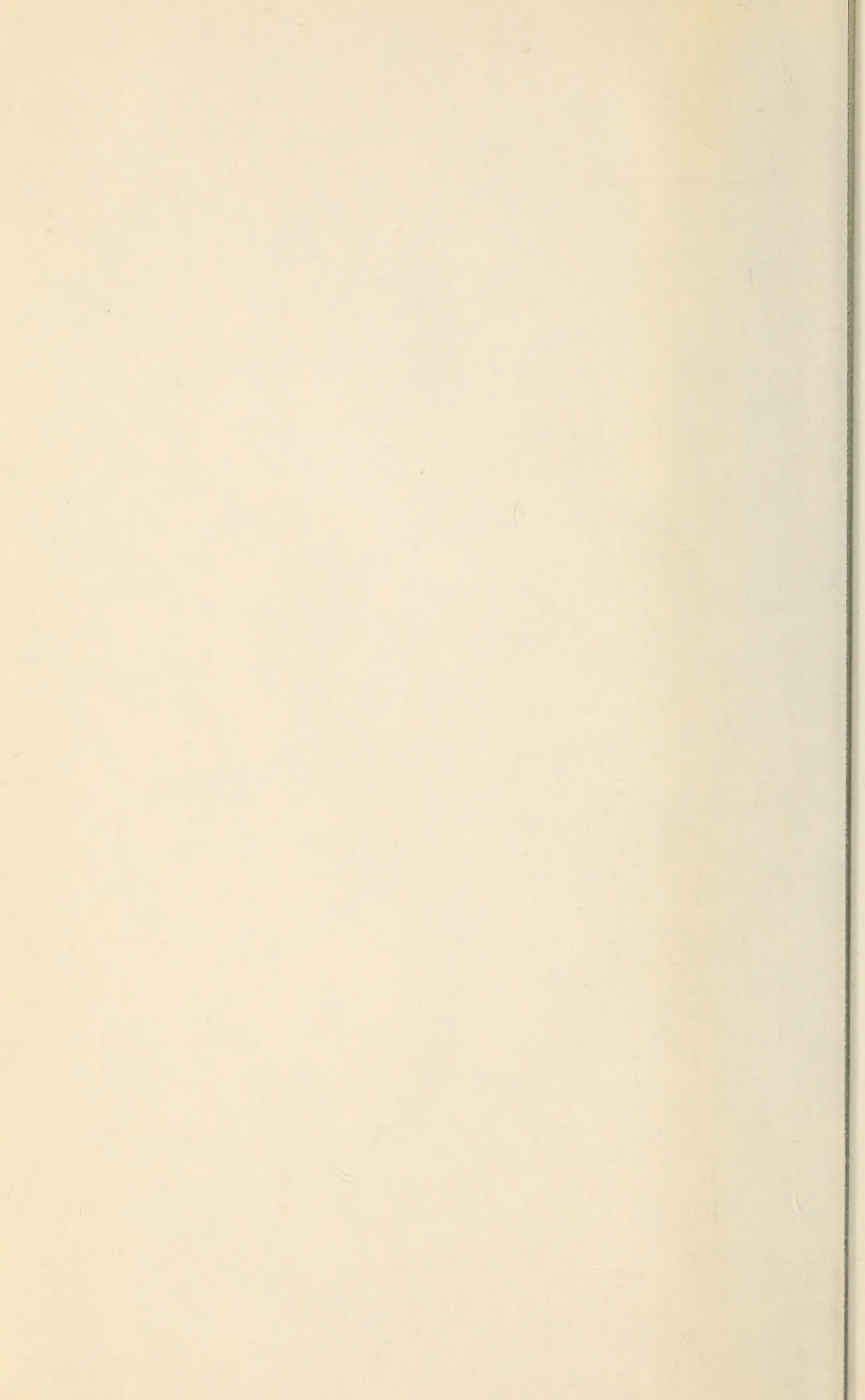
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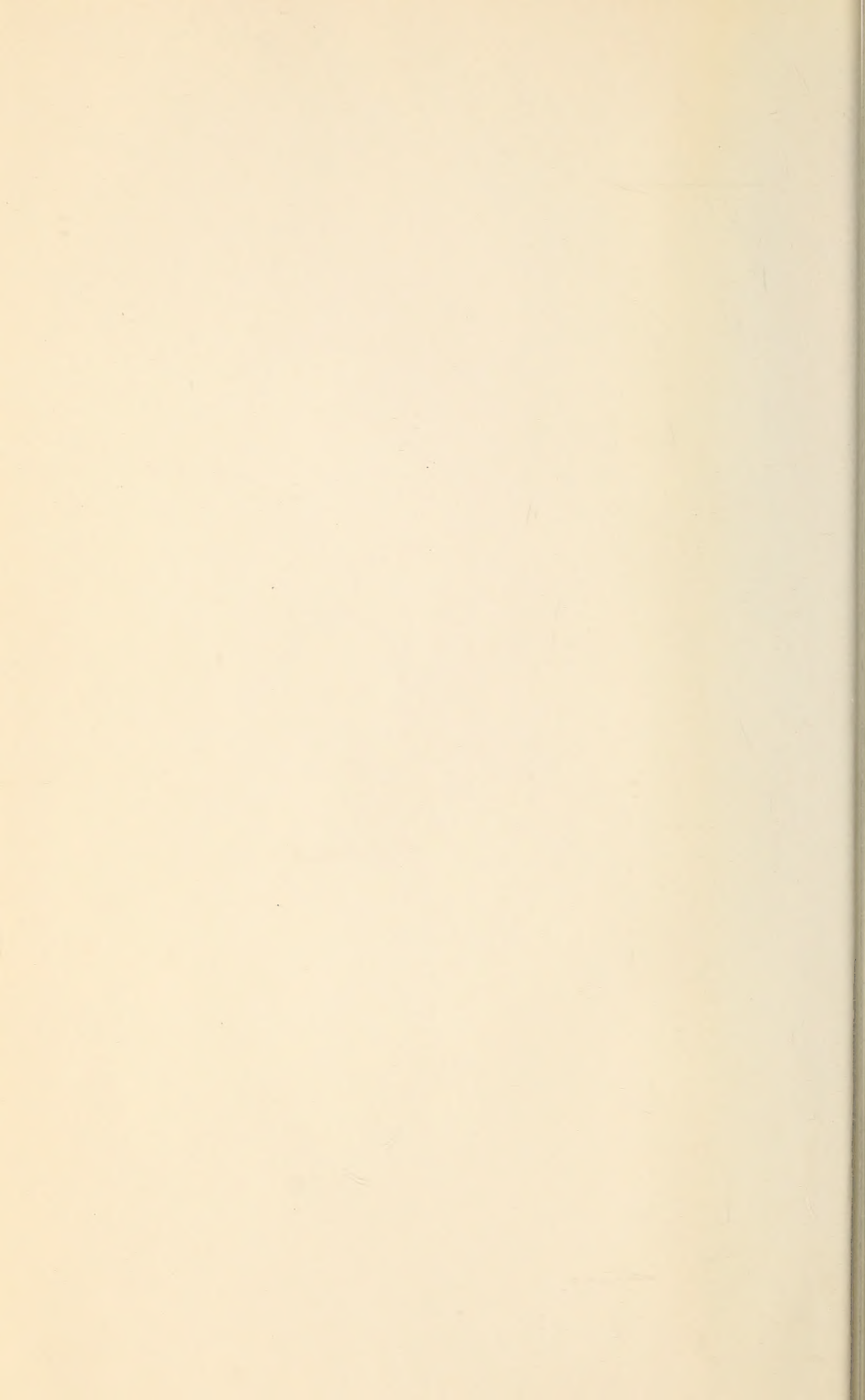




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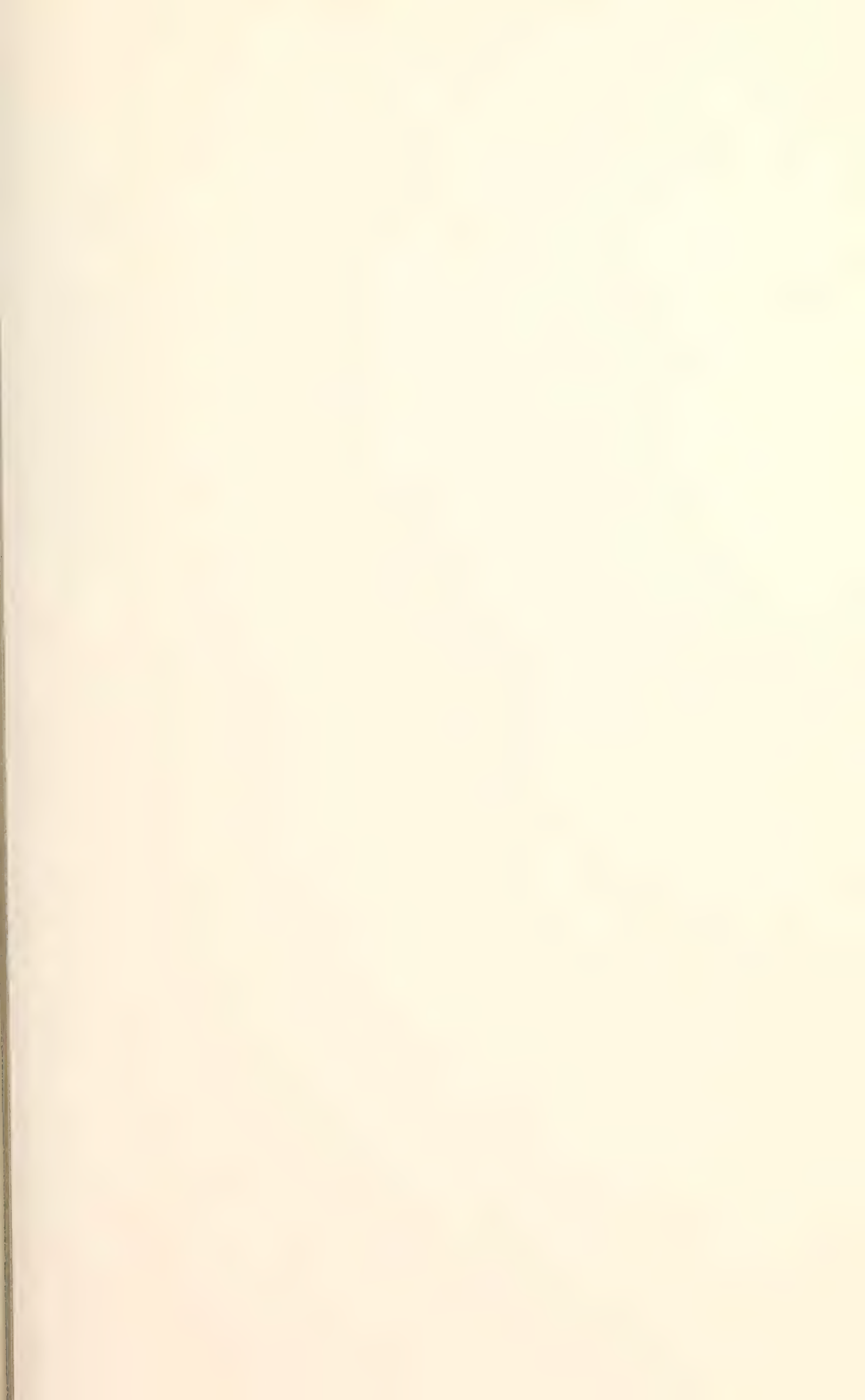
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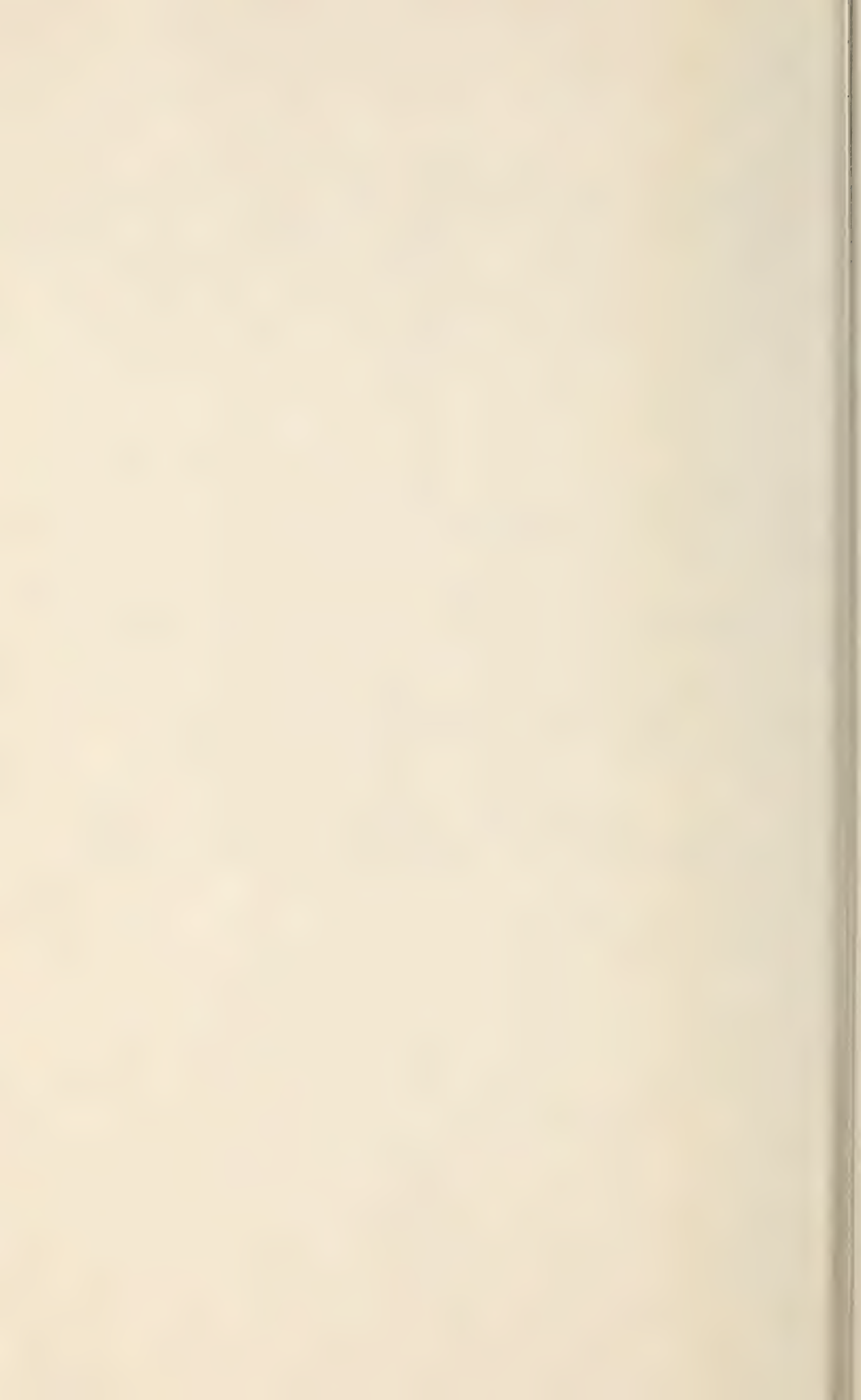
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These publications include

The Annual Announcement of the Medical College and
Reprinted Studies from the Several Departments of the Medical College
and its Research Laboratories









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JANUARY, 1925
PUBLISHED BY CORNELL UNIVERSITY
477 FIRST AVENUE
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CALENDAR

1925

- Jan. 5. Monday, 9 A.M.—Christmas recess ends. Second term begins.*
- Feb. 23. Monday—Legal holiday.
- March 14. Saturday, 6 P.M.—Second term ends.*
- March 16. Monday, 9 A.M.—Third term begins.*
- April 9. Thursday, 6 P.M.—Easter recess begins.
- April 13. Monday, 9 A.M.—Easter recess ends.
- May 29. Friday, 6 P.M.—Third term ends.
- May 30. Saturday—Legal holiday.
- June 1. Monday—Examinations begin.
- June 11. Thursday—Commencement.
- Sept. 14. Monday—Examinations begin for admission to the first year of all departments of Cornell University at Ithaca, N. Y.
- Sept. 22. Tuesday—Examinations begin for conditioned students and for those applying for advanced standing in the Medical College at New York City.
- Sept. 28. Monday—Registration.
- Sept. 29. Tuesday, 9 A.M.—Instruction begins.
- Oct. 12. Monday—Columbus Day, legal holiday.
- Nov. 3. Tuesday—Election Day, legal holiday.
- Nov. 25. Wednesday, 6 P.M.—Thanksgiving recess begins.
- Nov. 30. Monday, 9 A.M.—Thanksgiving recess ends.
- Dec. 19. Saturday, 6 P.M.—First term ends.* Christmas recess begins.

1926

- Jan. 4. Monday, 9 A.M.—Second term begins.
- Feb. 22. Monday—Legal holiday.
- March 13. Saturday, 6 P.M.—Second term ends.*
- March 15. Monday, 9 A.M.—Third term begins.*
- April 1. Thursday, 6 P.M.—Easter recess begins.
- April 5. Monday, 9 A.M.—Easter recess ends.
- May 29. Saturday, 6 P.M.—Third term ends.
- May 31. Monday—Legal holiday.
- June 1. Tuesday—Examinations begin.
- June 10. Thursday—Commencement.

*The session is subdivided into three terms of twelve, ten, and eleven weeks, respectively, and courses are scheduled in conformity with this subdivision.

All students must be registered at the secretary's office at the opening of the session. No student will be admitted after Registration Day without special permission of the Faculty. Immediately after registration the fees must be paid at the treasurer's office.

Any student may take the first year at either New York City or Ithaca. All students take the last three years at New York City only.

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*Term of office expires in 1925, the next group of six in 1926, etc. B, elected by the Board; A, elected by Alumni; G, appointed by Governor; Gr, elected by State Grange.
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At the foundation of the Medical College the following resolution establishing a Medical College Council and determining its functions was adopted by the Board of Trustees of Cornell University.

Resolved, That for the purpose of making recommendations to the Board of Trustees or the Executive Committee in relation to the business management of the Medical College there be established, and there is hereby established, a Medical College Council which shall consist of seven members, to wit: the President of the University (who shall be *ex-officio chairman*), the Dean of the Medical College, and three trustees to be elected by the Board of Trustees or the Executive Committee, who shall be appointed, one for one year, one for two years, and one for three years, and their successors to be appointed for three years, and two members of the Faculty, to be elected by the Faculty, who shall be appointed, one for one year and one for two years, and their successors to be appointed for two years, and that all appointments to fill vacancies be made for unexpired terms.

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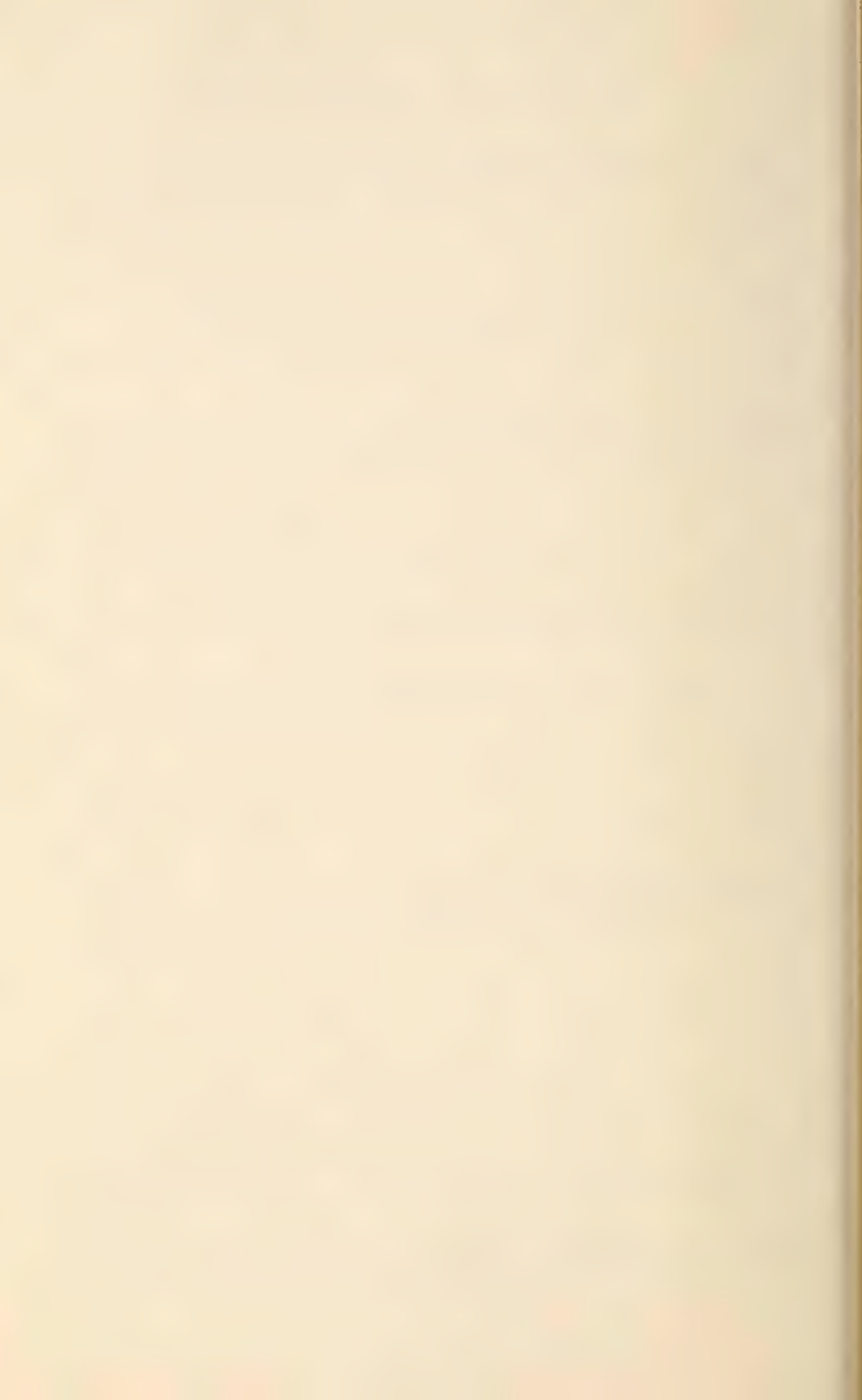
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Instructor in Roentgenology.
- J. FRANK FRASER, M.D.,
Instructor in Clinical Medicine, Department of Dermatology.
- LYNN L. FULKERSON, A.B., M.D.
Instructor in Obstetrics and Gynecology.
- LESTER T. GAGER, M.D.,
Instructor in Medicine.
- ANDREW J. GILMOUR, M.D.,
Instructor in Clinical Medicine, Department of Dermatology.
- HARRY GOLD, M.D.,
Instructor in Pharmacology.
- CONSTANTINE V. GRAND,
Assistant in Anatomy.
- FRANCIS WALTER GRAVELLE, A.B., M.D.,
Instructor in Obstetrics and Gynecology.
- ELLA F. GROVE,
Instructor in Immunology.
- CONNIE M. GUION, A.B., M.D.,
Instructor in Clinical Medicine.
- HARRY H. HAMILTON, M.D.,
Instructor in Clinical Medicine.
- LOUIS A. HAUSER, M.D.,
Instructor in Clinical Medicine.
- WILLIAM V. HEALEY, A.B., M.D.,
Instructor in Clinical Surgery, Department of Orthopedic Surgery
- GEORGE H. HYSLOP, A.B., M.D.,
Instructor in Clinical Medicine, Department of Neurology.
- EDWIN R. P. JANVRIN, M.D.,
Instructor in Clinical Medicine.
- HOWARD S. JECK, Ph.D., M.D.,
Instructor in Clinical Surgery, Department of Urology.
- NANCY JENISON, A.B., M.D.,
Instructor in Medicine.
- H. H. JOHNSON, M.D.,
Instructor in Operative Surgery.
- MORTON C. KAHN, B.S., A.M., Ph.D.,
Instructor in Hygiene.
- ABRAHAM KARDINER, A.B., M.D.,
Instructor in Clinical Medicine, Department of Psychiatry.
- AQUIN S. KELLY, M.D.,
Instructor in Clinical Surgery, Department of Ophthalmology.
- JAMES H. KENYON, B.S., M.D.,
Instructor in Clinical Surgery.



FACULTY OF MEDICINE

- JOSEPH E. KING, M.D.,
Instructor in Surgery.
- LEILA C. KNOX, A.B., M.D.,
Instructor in Surgical Pathology.
- ROBERT KOCH, M.D.,
Instructor in Bacteriology.
- WALTER M. KRAUS, M.D.,
Instructor in Clinical Medicine, Department of Neurology.
- BERTON LATTIN, M.D.,
Instructor in Clinical Medicine.
- OSCAR L. LEVIN, M.D.,
Instructor in Clinical Medicine, Department of Dermatology.
- LEON I. LEVINE, B.S., M.D.,
Instructor in Clinical Medicine.
- SAMUEL Z. LEVINE, A.B., M.D.,
Instructor in Clinical Pediatrics.
- BERTRAM D. LEWIN, M.D.,
Instructor in Clinical Medicine, Department of Psychiatry.
- ASA L. LINCOLN, M.D.,
Instructor in Medicine.
- HOWARD S. McCANDLISH, M.D.,
Instructor in Obstetrics and Gynecology.
- JOHN F. McGRATH, M.D.,
Instructor in Obstetrics and Gynecology.
- PENELOPE MARSH, A.B.,
Bacteriologist, Department of Surgery.
- HUGH E. MORROW, A.B.,
Instructor in Chemistry.
- THOMAS A. MULCAHY, M.D.,
Instructor in Clinical Surgery, Department of Laryngology, and Rhinology
- CLAY RAY MURRAY, M.D.,
Assistant in Clinical Surgery.
- CHARLES HALPIN NAMMACK, M.D.,
Instructor in Medicine.
- JOSEPHINE B. NEAL, A.B., M.D.,
Assistant in Medicine.
- ELEANOR B. NEWTON, A.M.,
Assistant in Chemistry.
- JOSE F. NONIDEZ, Sc.D.,
Instructor in Anatomy.
- JOHN M. O'CONNOR, M.D.,
Instructor in Operative Surgery.
- EMIL OSTERBERG,
Instructor in Chemistry.
- ROYCE PADDOCK, M.D.,
Instructor in Clinical Medicine.
- ARTHUR PALMER, A.B., M.D.,
Instructor in Clinical Surgery, Department of Laryngology and Rhinology.
- RUSSELL H. PATTERSON, M.D.,
Assistant in Clinical Surgery and Applied Anatomy.

CORNELL UNIVERSITY MEDICAL COLLEGE

- ANNA PLATT, M.D.,
Instructor in Clinical Medicine.
- ALFRED PLAUT, M.D.,
Instructor in Gynecological Pathology.
- PAUL REZNIKOFF, B.S., M.D.,
Instructor in Medicine and Assistant in Anatomy.
- JOHN H. RICHARDS, M.D.,
Instructor in Clinical Pathology and in Medicine.
- MAX S. ROHDE, A.B., M.D.,
Instructor in Clinical Surgery, Department of Urology.
- RAY H. RULISON, PH.B., M.D.,
Instructor in Clinical Medicine, Department of Dermatology.
- MORTON RYDER, A.B., M.D.,
Instructor in Clinical Medicine.
- JESSE F. SAMMIS, M.D.,
Instructor in Pediatrics.
- MORRIS K. SMITH, M.D.,
Instructor in Surgery.
- WILLIAM L. SNEED, M.D.,
Instructor in Applied Anatomy.
- WILLIAM L. SOULE, A.B., M.D.,
Instructor in Anaesthesia.
- WILL C. SPAIN, M.D.,
Instructor in Immunology.
- RAMSAY SPILLMAN, A.B., M.D.,
Instructor in Roentgenology.
- JUNIUS W. STEPHENSON, M.D.,
Instructor in Clinical Medicine, Department of Neurology.
- NEIL C. STEVENS, M.D.,
Instructor in Clinical Medicine.
- LEWIS D. STEVENSON, A.B., M.D.,
Instructor in Neuro-Pathology and in Clinical Medicine, Department of Neurology.
- PHILIP MOEN STIMSON, A.B., M.D.,
Instructor in Pediatrics.
- WILLIAM E. STUDDIFORD, JR., M.D.,
Instructor in Surgical Pathology.
- JOHN E. SUTTON, A.M., M.D.,
Assistant in Surgery.
- FENTON TAYLOR, M.D.,
Instructor in Clinical Surgery.
- RUTH A. THOMAS, A.B., C.P.H.,
Instructor in Bacteriology.
- JULIUS J. VALENTINE, M.D.,
Instructor in Clinical Surgery, Department of Urology.
- GEORGE W. VANDEGRIFT, A.M., M.D.,
Instructor in Clinical Surgery, Department of Ophthalmology.
- W. MORRIS WEEDEN, A.B., M.D.,
Instructor in Surgery.
- CARL E. WEIGLE, M.D.,
Assistant in Clinical Pediatrics.





FACULTY OF MEDICINE

THOMAS E. WALDIE, A.B., M.D.,
Assistant in Clinical Pediatrics.

IRA WILENS, M.D.,
Instructor in Obstetrics and Gynecology.

FRANCIS T. WILLIAMS, M.D.,
Instructor in Clinical Medicine.

HERVEY C. WILLIAMSON, M.D.,
Instructor in Obstetrics and Gynecology.

JAMES R. WILSON, M.D.,
Assistant in Clinical Pediatrics.

MAY G. WILSON, M.D.,
Instructor in Pediatrics.

WILLIAM A. WILSON, M.D.,
Instructor in Clinical Surgery, Department of Urology.

LUCIUS A. WING, B.S., M.D.,
Instructor in Clinical Surgery.

DAN HITER WITT, M.D.,
Instructor in Medicine.

OFFICERS OF ADMINISTRATION.

WALTER L. NILES, M.D., *Dean.*

J. S. FERGUSON, M.D., *Secretary of the Faculty.*

J. THORN WILLSON, *Managing Clerk.*

JESSIE P. ANDRESEN, *the Dean's Secretary.*

JOSEPHINE GENUNG NICHOLS, Ph.B., *Librarian.*

WILLIAM DUNN, *Photographer.*

HAROLD S. BELCHER, M.D., *College Physician.*

JEAN H. PATTISON, M.D., *College Physician.*

COMMITTEES

Educational Policy.—The President, the Dean, Chairman Ex-officio and Professors LEWIS A. CONNER, CHARLES L. GIBSON, EUGENE F. DuBOIS, JOHN A. HARTWELL, CHARLES R. STOCKARD, STANLEY R. BENEDICT, GRAHAM LUSK, JAMES EWING, WILLIAM J. ELSER, GEORGE GRAY WARD, OSCAR M. SCHLOSS and EDWARD L. KEYES.

Library.—Professors EUGENE F. DuBOIS, BURTON J. LEE, JAMES EWING, STANLEY R. BENEDICT, WILLIAM C. THRO, and Mr. CHARLES W. BARKHORN.

Hospital Appointments.—Professors JOHN A. HARTWELL, LEWIS A. CONNER, CHARLES L. GIBSON, EUGENE F. DuBOIS and WALTER L. NILES, Dean.

Curriculum.—Professors STANLEY R. BENEDICT, BURTON J. LEE, NELLIS B. FOSTER, EUGENE F. DuBOIS and J. S. FERGUSON, Secretary.

THE CLINIC.

Director of the Clinic
CALVIN H. GODDARD, M.D.

Department of Medicine.

Chief of Clinic
SAMUEL BRADBURY, M.D.,

Physicians

WALTER H. BRUNDAGE, M.D.

NANCY JENISON, M.D.

CORNELL UNIVERSITY MEDICAL COLLEGE

Attending Physicians

CONNIE M. GUION, M.D.
LESLIE T. GAGER, M.D.
DAN H. WITT, M.D.
HARMON A. VEDDER, M.D.
THEODORE J. CURPHY, M.D.
FRANCIS T. WILLIAMS, M.D.
HARRY H. HAMILTON, M.D.
HENRY B. RICHARDSON, M.D.
EDWIN P. RUSSELL, M.D.
ANNE M. BELCHER, M. D.
NEIL C. STEVENS, M.D.
HORACE S. BALDWIN, M.D.
ADELAIDE ROSS SMITH, M.D.

ARTURO MARTINEZ, M.D.
HAROLD STEWART BELCHER, M.D.
JEAN H. PATTISON, M.D.
BENJAMIN H. ARCHER, M.D.
J. RANDOLPH QUINN, M.D.,
EDWARD KLECKNER, M.D.
FRANK MACBETH ENDE, M.D.
ABRAHAM MOSS, M.D.
LEILA A. COSTON, M.D.
LOUIS A. HAUSER, M.D.
EDWARD R. P. JANVRIN, M.D.
ANNA PLATT, M.D.

Department of Medicine, Gastro-Enterology.

Physicians.

HAYNES HAROLD FELLOWS, M.D. (*In charge*) SYDNEY WEINTRAUB, M.D.

Attending Physicians

JOHN CAMPBELL HOWARD, M.D. DOUGLASS PALMER, M.D.
NANCY JENISON, M.D. EDWIN P. RUSSELL, M.D.
FRANK C. HENRY, M.D.

Department of Medicine (Diabetes)

Physician

HENRY JAMES SPENCER, M.D.

Department of Medicine (Endocrine).

Physician

FRANCIS T. WILLIAMS, M.D.

Department of Medicine (Arthritis).

Physician

RUSSELL L. CECIL, M.D.

Attending Physician

BENJAMIN H. ARCHER, M.D.

Department of Medicine (Protein).

Physician

ROYCE PADDOCK, M.D.

Attending Physicians

HORACE S. BALDWIN, M.D.
HAROLD S. BELCHER, M.D.

Department of Medicine (Tuberculosis).

Physician

EDWARD P. EGGLEE, M.D.

Department of Medicine (Cardiac).

Physician

HAROLD E. B. PARDEE, M.D.

Department of Medicine (Health).

Physician

HARRY H. HAMILTON, M.D.

Attending Physician

ANNA M. RICHARDSON, M.D.

Department of Medicine (Overweight).

Physician

HENRY JAMES SPENCER, M.D.





FACULTY OF MEDICINE

Department of Surgery.

Chief of Clinic

FENTON TAYLOR, M.D.

Surgeon

EDWIN PYLE, M.D.

Attending Surgeons

NELSON W. CORNELL, M.D.,

JOHN E. SUTTON, M.D.

Department of Pediatrics.

Chief of Clinic

PHILIP MOEN STIMSON, M.D.

Attending Physicians

GEORGE C. LUDLOW, M.D.

LEONARD T. DAVIDSON, M.D.

HELEN HARRINGTON, M.D.

Department of Obstetrics and Gynecology.

Chief of Clinic

JOHN F. McGRATH, M.D.

Surgeon

LYNN L. FULKERSON, M.D.

Attending Surgeons

S. SCHMERZLER, M.D.

ROBERT F. PEREZ, JR., M.D.

LOUIS BIRO, M.D.

JAMES H. HEYL, M.D.

THOMAS A. IOVINO, M.D.

Department of Urology.

Chief of Clinic

WILLIAM A. WILSON, M.D.

Surgeon

ORLOW C. SNYDER, M.D.

Attending Surgeons

MIGUEL ALVAREZ, M.D.

PAUL M. BUTTERFIELD, M.D.

WILLIAM R. DELZELL, M.D.

LISLE B. KINGERY, M.D.

THOMAS J. KIRWIN, M.D.

CYRIL K. CHURCH, M.D.

Department of Neurology.

Chief of Clinic

THOMAS K. DAVIS, M.D.

Physician

LEWIS D. STEVENSON, M.D.

Attending Physicians

GEORGE H. HYSLOP, M.D.

CLAYTON L. WOOD, M.D.

THEODORE W. NEUMAN, M.D.

JOHN M. MCKINNEY, M.D.

Department of Neurology (Speech Clinic)

Attending Physician

OLGA NEYMANN, D.D.S.

Department of Psychiatry.

Chief of Clinic

SANGER BROWN, 2d, M.D.

Attending Physicians

BERTRAM D. LEWIN, M.D.

CHARLES G. MCGAFFIN, M.D.

Department of Dermatology.

Chief of Clinic

OSCAR L. LEVIN, M.D.

CORNELL UNIVERSITY MEDICAL COLLEGE

Physician

J. FRANK FRASER, M.D.

Attending Physicians

ANDREW J. GILMOUR, M.D.

RAY H. RULISON, M.D.

WILLIAM HOWARD SCHIMPF, M.D.

FRANCIS JOHN OSBORNE, M.D.

EUGENE F. TRAUB, M.D.

Department of Otology.

Chief of Clinic

GEORGE B. MCAULIFFE, M.D.

Surgeon

GERVAIS W. MCAULIFFE, M.D.

Attending Surgeons

CARL FORNELL, M.D.

HAROLD BLAUVELT, M.D.

CHARLES L. CHASINS, M.D.

Department of Laryngology and Rhinology.

Chief of Clinic

WALTER C. MONTGOMERY, M.D.

Assistant Chief of Clinic

ARTHUR PALMER, M.D.

Surgeons

THOMAS A. MULCAHY, M.D.

JAMES A. CLARK, M.D.

Attending Surgeons

WILLIAM J. JACKSON, M.D.

CHARLES L. CHASINS, M.D.

JOSEPH G. STRICKLER, M.D.

RAYMOND SANDERSON, M.D.

Department of Orthopedic Surgery.

Chief of Clinic

ARTHUR H. CILLEY, M.D.

Surgeon

JOHN S. WARE, M.D.

Attending Surgeon

IRVIN BALENZWEIG, M.D.

Department of Roentgenology.

Chief of Clinic

ALBERT B. FERGUSON, M.D.

Department of Ophthalmology.

Chief of Clinic

BERNARD SAMUELS, M.D.

Surgeon

GEORGE W. VANDEGRIFT, M.D.

Attending Surgeons

MILTON L. BERLINER, M.D.

E. P. SHERMAN, M.D.

EDWARD M. OVERTON, M.D.

Department of Dentistry.

Surgeon

LOUIS WACK, D.D.S.

Department of Drugs and Supplies.

Pharmacist

GUSTAVE T. RUCKERT, PH.G.

Assistant Pharmacist

CHARLES LENZ, PH.G.

GENERAL STATEMENT.

The Medical Department of Cornell University was made possible by the gift to the University of a commodious and fully equipped building designed for medical instruction, and by the bestowal of funds for the maintenance of a vigorous school of medicine.

The objects of this school are:

- (1) To develop physicians of the best type, and
- (2) To conduct researches into the nature and cure of disease.

The school offers educational and research facilities to all undergraduates and graduates in medicine who are properly qualified to benefit from these opportunities and who are in sympathy with these aims.

The Main College Building comprises a Medical School and Dispensary, with principal entrance on First Avenue, opposite Bellevue Hospital, and occupies the entire block between Twenty-seventh and Twenty-eighth Streets on First Avenue. The building is devoted to the Departments of Anatomy, Clinical Pathology, Chemistry, Pathology, Bacteriology, Physiology, Medicine and their laboratory equipment.

The Loomis Laboratory (founded 1886 by the same munificent hand) serves the purpose of undergraduate instruction, in connection with the laboratories in the College building. It has also been reorganized as a research laboratory, and special departments have been established in bacteriology, physiological chemistry, experimental medicine and pharmacology.

The Cornell University Medical College Clinic, located in the main College building, is fully equipped for purposes of instruction.

The attendance in the Clinic averages about 335 patients daily and annually includes about 18,000 new patients. The organization is such as to bring the Clinic into closest touch with the Laboratory and research facilities of the College.

The Department of Roentgenology as well as the Laboratory of Clinical Pathology, is in direct connection with the Clinic, and by co-operation and co-ordination of work their services are placed at the constant disposal of the various other departments of the Clinic for the diagnosis and investigation of disease and for purposes of instruction.

The Library is supplied with current periodicals in German, French, English and Italian, which include nearly all the more important journals in the field of medical science, and the back files of these periodicals are fairly complete. There is also a students' library of recent textbooks. Every effort is made to maintain a library commensurate with the needs of the College. A special reading room is provided for the convenience of students. A trained Librarian is in attendance to supply references and direct their work.

In addition to the College Library, students enjoy certain privileges at the Library of the New York Academy of Medicine, 17 West 43rd Street, the second largest medical library in the United States, and at the various public libraries of the city.

CORNELL UNIVERSITY MEDICAL COLLEGE

New York Hospital.—The Medical College, through the courtesy of the Governors of the New York Hospital, has long been accorded certain privileges for instruction in its wards; but on the first of January, 1913, a definite arrangement was established between Cornell University and the New York Hospital, through the donation to the hospital of a generous fund by Mr. George F. Baker, a Governor of the Hospital, upon the condition that thereafter the pathological and half the entire medical and surgical services of the institution should be definitely assigned to the Cornell University Medical College for the advancement of its teaching and research.

By this most advantageous arrangement the University nominates the Visiting Staff of its division and the Laboratory Staff and secures the admission of its students to the wards as clinical clerks, thereby enabling the College to make a definite provision in its course of instruction and research for work in the New York Hospital. Furthermore, the Laboratory Staffs of the different departments of the Medical College are placed at the service of the Hospital for the purpose of extending its scientific work.

The hospital service thus assigned to the College comprises 100 beds. This service is exceedingly active. It includes several thousand acute and emergency cases brought in annually from a large ambulance and dispensary district.

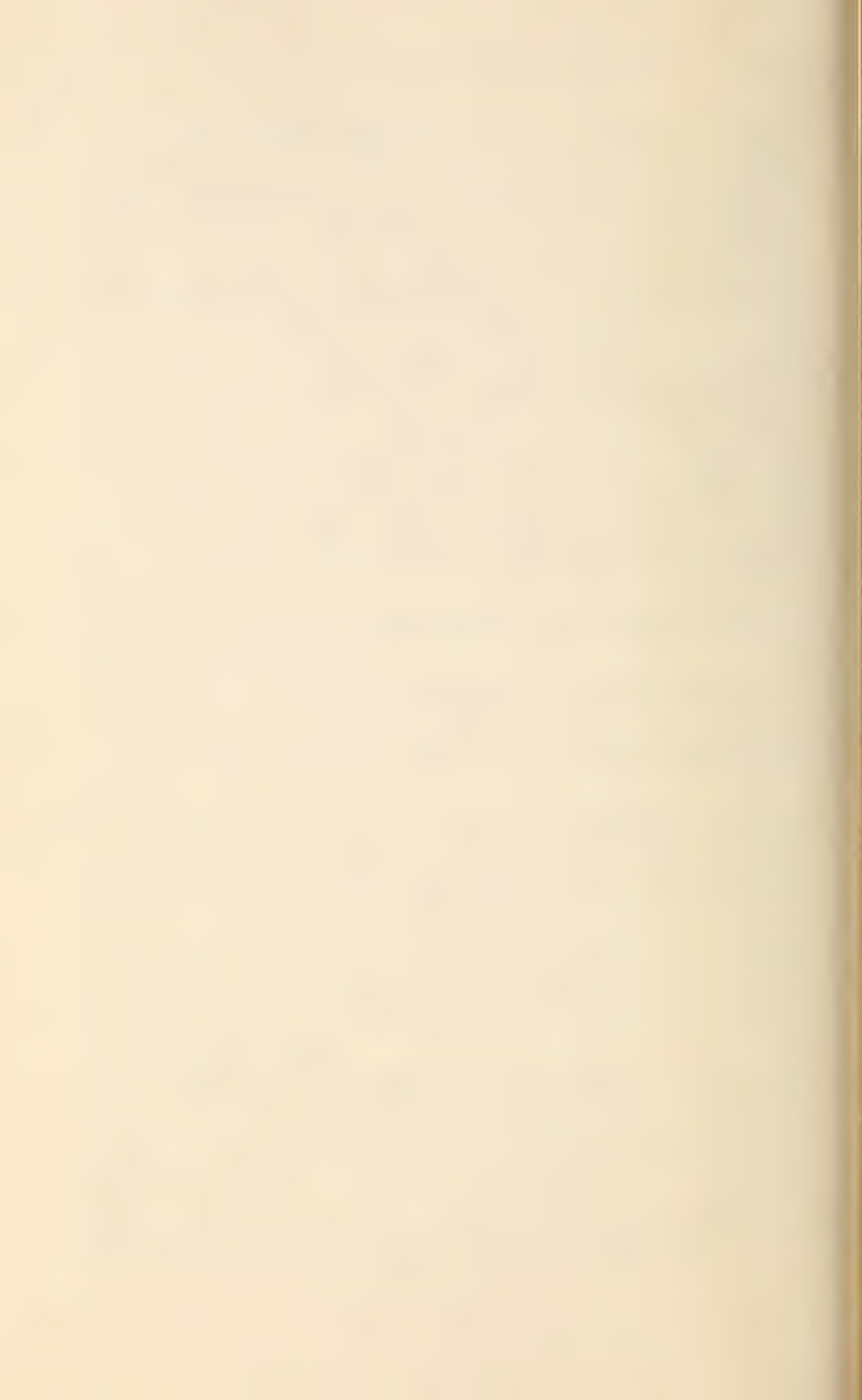
The medical staff of this hospital assigned to the Cornell University Medical College has been organized as outlined in the departmental announcements for medicine and surgery.

The Professors of Medicine and Surgery are directly responsible to the University for the conduct of the instruction in the New York Hospital.

Bellevue Hospital.—This hospital, located on First Avenue, directly opposite the Main College building, has 1,200 beds, and receives 24,000 patients annually.

The hospital is organized in four divisions, one of which has been placed by the Trustees of the hospital at the disposal of the Faculty of the Cornell University Medical College for medical instruction. The services thus intrusted to the College include, continuously, 90 medical beds, 90 surgical beds, 60 to Urology, a Neurological Service, and for one-half the year 54 obstetrical beds, together with equal privileges with the other three divisions, giving continuous opportunity for instruction and research in the additional wards devoted to the treatment of alcoholic diseases, tuberculosis and the psychopathic diseases. There are also available 60 beds for instruction in Gynecology by members of the staff assigned to this duty by the Cornell University Medical College.

The visiting staff of the Second, or Cornell Division is drawn entirely from the Faculty and instructors of the College, and by co-operation with the Medical Board of the Hospital this division has been organized with a view to the best interests of the patients, as well as with a view to furnishing adequate facilities for instruction. The students spend a considerable portion of the fourth year in this hospital as clinical or surgical "clerks," and during the preceding years frequent clinical instruction is conducted in its wards, as fully described under "Details of the Plan of Instruction."



GENERAL STATEMENT

While Bellevue Hospital is provided with an elaborate Department of Pathology of its own, the scope of the hospital work of the Cornell Division is broadened by the intimate relation existing between the laboratories of the Medical College and the medical service of the hospital. In addition to the staff provided by the hospital, the College maintains a corps of research workers and special assistants who conduct their routine examinations in extension laboratories equipped by the College in rooms adjacent to the wards of the hospital, and who consummate their major investigations in the more completely equipped laboratories of the College building.

The Professors of Medicine and Surgery are directly responsible to the University for the conduct of the instruction in Bellevue Hospital.

Memorial Hospital.—Through the generosity of the late Dr. James Douglas, who provided the Hospital an endowment for the study and treatment of cancer and allied diseases, the Memorial Hospital became affiliated in 1914 with Cornell University Medical College.

The conditions upon which this union was consummated place upon Cornell University Medical College the responsibility for the medical and surgical activities of the Hospital, subject however, so far as administrative action is concerned, to the approval of its Board of Managers. Cornell University Medical College is required to approve the five medical members of the Board of Managers of the Memorial Hospital and to nominate their successors in case of vacancies, and to name the medical and surgical staff, subject to the approval of the Board of Managers of the Hospital.

In accordance with these conditions, and with the approval of the Board of Managers of the Hospital, the Medical Staff has been organized as follows:

JAMES EWING, M.D., *President of the Medical Board, Director of Cancer Research, Pathologist.*

WILLIAM B. COLEY, M.D., *Vice-President of the Medical Board, Professor of Cancer Research, Attending Surgeon.*

WILLIAM S. STONE, M.D., *Clinical Director.*

STANLEY R. BENEDICT, PH.D., *Director Department of Chemistry.*

BURTON J. LEE, M.D., *Attending Surgeon.*

BENJAMIN S. BARRINGER, M.D., *Attending Surgeon, Urological Department*

DOUGLAS QUICK, M.D., *Attending Surgeon.*

WILLIAM P. HEALY, M.D., *Attending Gynecologist.*

RALPH E. HERENDEN, M.D., *Physician to Roentgen Ray Department.*

NATHAN GREEN, M.D., *Assistant Surgeon.*

FRANK E. ADAIR, M.D., *Assistant Surgeon.*

DAVID H. M. GILLESPIE, M.D., *Assistant Surgeon.*

BRADLEY L. COLEY, M.D., *Assistant Surgeon.*

SAMUEL C. JOHNSON, M.D., *Assistant Surgeon.*

ARCHIE L. DEAN, JR., M.D., *Assistant Surgeon, Urological Department.*

LLOYD F. CRAVER, M.D., *Assistant Physician.*

CONDE DES. PALLAN, M.D., *Assistant Gynecologist.*

R. GARFIELD SNYDER, M.D., *Adjunct Assistant Physician.*

CORNELL UNIVERSITY MEDICAL COLLEGE

GEORGE E. BINKLEY, M.D., *Clinical Assistant.*

HARRY LANDESMAN, M.D., *Anaesthetist.*

GIOACCHINO FAILLA, *Physicist.*

EDITH H. QUIMBY, M.A., *Assistant Physicist.*

RAYMOND G. HUSSEY, M.D., *Consulting Pathologist.*

RUTH THEIS, A.B., *Chemist.*

KANEMATSU SEGUIRA, A.M., *Associate Chemist.*

ELISE S. L'ESPERANCE, M.D., *Serologist.*

JOHN C. TORREY, M.D., *Bacteriologist.*

HALSEY J. BAGG, PH.D., *Research Fellow in Biology.*

ALICE N. BROWN, A.M., *Assistant in Biology.*

The John E. Berwind Maternity Clinic.—An affiliation having been consummated between the John E. Berwind Maternity Clinic and Cornell University Medical College, the medical direction of the Clinic is placed under the control of Cornell. The medical staff including the resident and house staffs are appointed by the Clinic, only on nomination by the Medical College.

Cornell students are definitely assigned to the Clinic for practical instruction under the direction of the Professor of Obstetrics and Gynecology.

Cornell students having been provided for, vacancies in the student staff will be filled by appointment. Application for such assignments should be made to the Superintendent of the Clinic at 125 East 103rd Street, New York City.

The Russell Sage Institute of Pathology.—The Russell Sage Institute of Pathology has been affiliated with the Second Medical (Cornell) Division of Bellevue Hospital since 1913. Endowed by Mrs. Russell Sage in 1907, it has provided funds for research work in pathology and medicine. Laboratory space has been generously given by the trustees of Bellevue Hospital and clinical facilities have been furnished by the Cornell Medical Division. The Institute has constructed and equipped a respiration calorimeter and has maintained a metabolism ward adjacent to the general wards of the division. The research workers have been members of the hospital staff and have assisted in the care of patients and the instruction of students. The metabolism ward, chemical laboratories and calorimeter furnish unusual facilities for teaching the diseases of metabolism.

The staff is as follows:

GRAHAM LUSK, PH.D., *Scientific Director.*

EUGENE F. DU BOIS, M.D., *Medical Director.*

HENRY B. RICHARDSON, M.D., *Research Fellow.*

R. R. HANNON, M.D., *Research Fellow.*

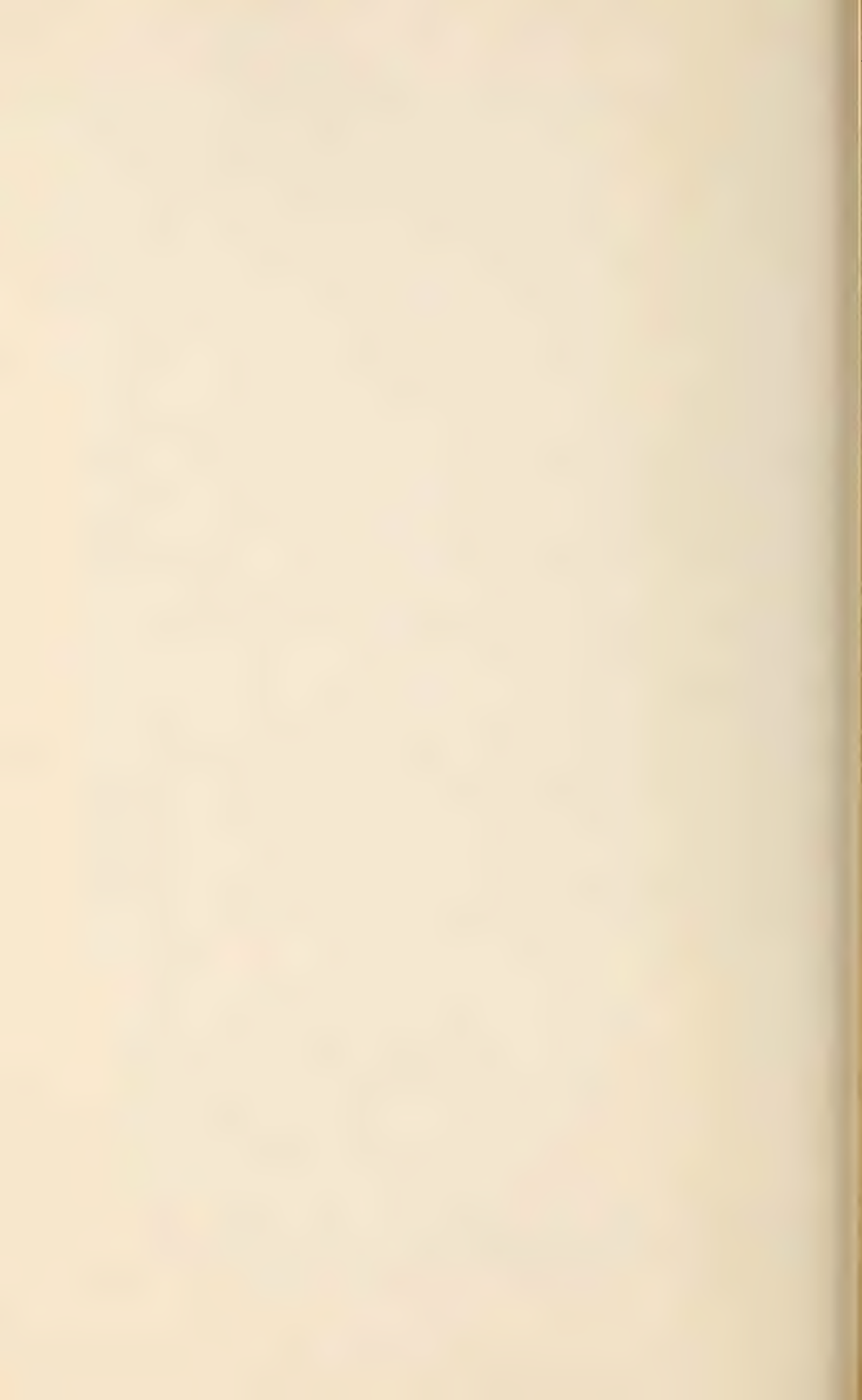
EPHRAIM SHORR, M.D., *Research Fellow.*

S. F. SODERSTROM, *Calorimeter Technician.*

MARJORIE LE MOINE, R.N., *Head Nurse.*

The New York Nursery and Child's Hospital.—By courtesy of the Trustees of this Hospital, Cornell Students are there instructed in Pediatrics. The Hospital offers splendid opportunities for the study of infants and children.





GENERAL STATEMENT

There are seventy two beds on the Pediatric service, and in addition there is in the same building an active maternity service.

The out patient department has an average yearly attendance of 8,000 infants and children, with special classes in Feeding; Malnutrition; Syphilis; Eczema and Cardiac diseases. Both the indoor and outdoor services are utilized for teaching purposes. The members of the teaching staff have official connection with the hospital.

The Neurological Institute.—By courtesy of the Neurological Institute section work in Nervous Diseases is offered to third and fourth year students in the wards and Out-Patient Department of this hospital, the students being assigned for ward work in small sections during the third and fourth years. The Neurological Institute is a hospital of considerable size, devoted to the care of nervous diseases and possessing a complete equipment for neurological examinations, diagnosis and treatment.

Psychiatric Institute, Ward's Island.—The Professor of Psychiatry is Director of the Psychiatric Institute, which is the teaching and research center for the entire New York State Hospital system. The lecture rooms, pathological material and clinical facilities of the Institute are available for the teaching of medical students.

Manhattan State Hospital, Ward's Island.—This hospital for the care and treatment of mental diseases, accommodates over 5,000 patients. Through the courtesy of the Superintendent the Professor of Psychiatry is enabled to utilize this clinical material for bedside study of patients and practical exercises and demonstrations conducted in the wards of the hospitals.

Other Hospitals.—In addition to the above, members of the Faculty of Cornell University Medical College hold appointments in various hospitals and dispensaries of the city, and are thus enabled to utilize for teaching purposes a great quantity and variety of clinical material. This is used from time to time as necessity or opportunity arises. The major part of the bedside and clinical instruction is, however, purposely conducted in Bellevue Hospital, which is directly opposite the College, and in New York Hospital, which is conveniently located on Fifteenth Street, and may be reached by surface cars in fifteen to twenty minutes.

REQUIREMENTS FOR ADMISSION

The Faculty of the Cornell University Medical College are of the opinion that candidates for admission to the medical profession should possess the liberal culture and general education implied by a college degree in Arts or Science. Since 1907 a standard of admission which requires the baccalaureate degree or its equivalent has been rigidly maintained. Without attempting to enter into a discussion of the relative advantages of the courses in Science or Arts, the President and Trustees of Cornell University adopted the requirements advised by the Faculty of the Medical College for admission to the course leading to the degree of M.D. and *only the following classes of candidates are admitted to the Cornell University Medical College:*

I. Graduates of approved colleges or scientific schools; or—

II. Seniors in good standing in approved colleges or scientific schools upon condition that their faculty will permit them to substitute the first year in the Cornell University Medical College for the fourth year of their college course, and will confer upon them the bachelor's degree* upon the satisfactory completion of the years's work; or—

III. Persons who give evidence by examinations that they have acquired an equivalent education to that signified by a bachelor's degree, and training sufficient to enable them to profit by the instruction offered in the Medical College.

All Candidates for Admission, whether of group I, II, or III, shall have satisfactorily completed in an approved college, at least the following minimum in—

1. Physics, 8 semester hours, including laboratory.

2. Chemistry, 12 semester hours (8 hours of inorganic, including both qualitative and quantitative analysis and 4 hours of organic chemistry). The course should have included at least fifty hours of didactic work not less than eighty hours of laboratory work in inorganic chemistry; and at least 70 hours each of laboratory work in *qualitative* and in *quantitative analysis*. In addition, the candidate shall have satisfactorily completed courses in at least 36 hours of didactic and 80 hours of laboratory work in *organic chemistry*.

3. Biology (Zoology), 6 semester hours, including laboratory work.

Note.—In addition to this minimum requirement, a course in General Histology with Embryology including the early development of the frog and chick is very desirable. Courses in the Comparative Anatomy of Vertebrates and Elementary Histological Technique are also recommended.

4. English, 6 semester hours.

5. Modern language, 6 semester hours—French, German, Italian or Spanish.

6. Two additional semester hours of college credit will be required in each of the three subjects, Biology, English and Modern language, in which no introductory high school course was offered for admission to college.

*No student under the clause is permitted to enter the second year of the medical curriculum without the bachelor's degree obtained after at least three years of undergraduate college work. Clause II is intended to provide for those students who by specially directed or by specially proficient work accomplish the essential requirements for a B.S. or B.A. degree during three years of College residence.

REQUIREMENTS FOR ADMISSION

7. All applicants residing within 50 miles of New York City are required to present themselves *in person by appointment* at the office of the Secretary; their credentials should have been previously submitted. All applicants must submit with their application a recent photograph.

IV. All students entering Cornell University Medical College are required to provide themselves with a satisfactory microscope.

V. Not more than seventy-five students will be admitted to the first year in Medicine; approved applicants for advanced standing will be admitted to subsequent years only when the number registered falls below sixty. Not more than sixty students will be registered in the second, third and fourth year classes.

VI. The number of students in this Medical College having been limited that its advantages may be equalized to all parts of the state and country, not more than five students from any one college will be admitted to the first year class.

The Trustees felt that it was unfair to refuse the exceptional student of unusual abilities who has obtained independently an education equivalent to that implied by a degree from a college or scientific school, and there will therefore be examiners appointed from the faculties in the different colleges of Cornell University to determine the qualifications of such as may apply for admission under Rule III of these requirements. The committee in charge of the administration of this rule consists of the President of the University and the Deans of the Faculties of Arts and Sciences and of Medicine. The only instance of admission under Rule III yet encountered involved a graduate of a foreign institution of collegiate rank which grants no degrees.

APPLICATIONS FOR ADMISSION

All applications and communications are to be addressed to the Secretary of the Medical College from whom blank forms of application for admission may be obtained.

Prospective students will find it to their advantage to file their application early. The number of admissions being limited, to insure favorable consideration, *applications for admission to the first year should be received not later than March 1st*, and should in all cases be accompanied by a transcript of the college record to date. The required letters of recommendation from two science professors under whom the student has recently worked should be forwarded at the same time. A photograph must accompany the application.

Inasmuch as all students of medicine in New York State are required by law to have previously had an adequate preliminary education, and as this preliminary education must be certified as sufficient by the State Educational Department, it is advisable that applicants for admission send their credentials to the Secretary of the Medical College in properly attested form as promptly as possible, that the secretary may then obtain the requisite "medical student's certificate" from the State authorities.

CORNELL UNIVERSITY MEDICAL COLLEGE

ADMISSION TO ADVANCED STANDING

Applicants for advanced standing must have met in full the requirements for admission (page 26), and must have already attended the legally required number of sessions in an approved regular medical college. Whenever vacancies arise* applicants thus qualified may be admitted to the Cornell University Medical College under the following conditions:

1. A properly attested certificate of actual attendance at a registered Medical College for the full number of years of medical study for which time credit is asked must be presented and approved.

2. A certificate showing that the student has satisfactorily completed in an approved medical college the work of all required subjects of the years for which Cornell credit is asked must be presented and approved.

3. Subject credit may be granted on presentation and approval by the heads of departments of properly attested certificates stating the courses already completed in an approved medical college with the number of hours, didactic and laboratory, devoted thereto, together with the name of the instructor.

4. In the absence of approval of the certificate called for in the preceding paragraph (number 3) subject credit for advanced standing will be granted only by examination in all of the subjects previously pursued by the class to which admission is desired. For a list of the subjects for examination see page 84.

Examinations for admission to advanced standing are conducted by heads of departments and may be taken with the class at the end of the session in June or prior to the opening of the session in September. For dates of examinations, see calendar, page 5.

ADMISSION TO SPECIAL COURSES

Graduates in medicine, or students who desire to pursue a special course without graduation, are admitted to registration as special students, after approval by the head of the department conducting the course. Such special courses do not count in any way as part of the four years' course required of candidates for the degree of doctor in medicine. The courses offered to graduates are outlined on pages 88 to 91. Further information regarding such courses, fees, etc., may be obtained by addressing the Secretary of the Cornell University Medical College, 477 First Avenue, New York City.

REQUIREMENTS FOR LICENSE TO PRACTICE MEDICINE IN THE STATE OF NEW YORK

Graduates of Cornell University are admitted unconditionally to the examinations for license to practice medicine in the State of New York as well as all other states. Further information as to the nature of the requirements of the

*The three upper classes are limited to sixty students each. See Rule V, page 27.

REQUIREMENTS FOR ADMISSION

New York State law regulating the practice of medicine may be obtained by consulting the handbook issued for gratuitous distribution by the New York State Education Department at Albany, N.Y.

All requirements for admission to examinations for licensure should be filed with the State Education Department at least one week before examination.

Examinations for license to practice medicine in this State will be held as follows:

1925

Jan. 26-29

May 18-21

June 22-25

Sept. 21-24

Places.

New York, Albany, Syracuse, Buffalo.

NATIONAL BOARD OF MEDICAL EXAMINERS

Graduates of the Cornell University Medical College are admitted to the examinations of this Federal Board, whose certificates are accepted by the Surgeons-General of the Army, Navy and Marine Corps of the United States and by the Boards of Medical Licensure of many States. The dates and places of examination will be announced as promulgated by the Board.

CHARGES FOR INSTRUCTION

First Year.

Matriculation	\$10.00
Tuition	300.00
Laboratory fees	35.00
	—————\$345.00*

Second Year

Tuition	\$300.00
Laboratory fees	35.00
	—————\$335.00*

Third Year

Tuition	\$300.00
Laboratory fees	35.00
	—————\$335.00*

Fourth Year

Tuition	\$300.00
Laboratory fees	25.00
Final Examination fee	25.00
	—————\$350.00*

*An advance payment of \$50.00 on account of tuition is required on acceptance of an application for admission, and is not returnable.

The matriculation fee is payable only once, on entrance.

The final examination fee is payable on registering for graduation. All other fees are payable at the beginning of the term, but in special cases the tuition fee may be paid semi-annually in advance. Owing to the limitation in size of the classes, no refund nor rebate will be made in any case.

No remission of laboratory fees will be made because of previous instruction elsewhere in the subjects.

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Each student is required to pay the clerk of the College the following amounts to cover breakage in the Laboratories and Dispensary departments:

1st year, Laboratory and Dispensary.....	\$10.00
2d year, Laboratory and Dispensary.....	10.00
3d year, Laboratory and Dispensary.....	10.00
4th year, Laboratory and Hospital.....	10.00

These deposits, less the amount charged for breakage, will be returned at the end of each year.

All fees for instruction are paid to the office of the Managing Clerk.

Tickets must be taken out and paid for at the beginning of the session.

For Fees of Special Students see pages 88 to 91.

For Fees of Graduate Students see page 92.

LOCATION AND MODE OF ACCESS

The main building of Cornell University Medical College is located on First Avenue between 27th and 28th Streets.

The crosstown cars on Twenty-third and Thirty-fourth Streets, at First Avenue, pass within five blocks of the College buildings. Convenient stations of the Subway lines are located at Twenty-eighth Street and Fourth Avenue, at Twenty-eighth Street and Broadway, and Twenty-eighth Street and Seventh Avenue. The nearest stations of the Manhattan Elevated Railroad are at Twenty-eighth Street on the Third and Sixth Avenues lines and at Twenty-third Street on the Second Avenue line. The Hudson Tubes station is at Twenty-eighth Street and Sixth Avenue.

GENERAL STATEMENT OF THE PLAN OF INSTRUCTION.

The function of a Medical Department in a University is primarily to produce practitioners of medicine of the highest possible efficiency. The school must include among its students not only those whose life is to be spent in the treatment of disease, but those who intend to become teachers of medicine or of the branches of natural science upon which medicine depends, as well as those who devote their energies to advancing these sciences by research and to work connected with the public service. The Medical Department of the University has therefore developed into a school whose students are to be prepared to become practitioners of medicine and surgery, teachers of these subjects and their subsidiary branches, and investigators of biological problems which pertain to human disease and "preventive medicine." To reach this ideal, and to relieve the Medical Department from instruction in subjects which belong to natural science in general and not strictly to the medical curriculum, it is necessary that the students should have received the best possible preliminary education which must include the mental training implied by the *baccalaureate degree*.

In arranging the course of study the subjects pertaining to pure, rather than applied, science are grouped in the first year of the medical course, those of the applied science in the early part of the second year, and the so-called clinical subjects in the second, third and fourth years.

The fourth year of the medical curriculum is devoted largely to clinical instruction in the various aspects of medicine and surgery, with bedside instruction and ample opportunity for the careful study of cases by continuous service in the hospital wards. Some opportunity for elective courses is allowed, but all students must take at least the minimum amount of the subjects which form the basis of the general practitioner's usefulness, and all are thus necessarily prepared for successfully undergoing the usual competition for appointments as hospital internes, positions in the public service of the State and Nation, and examinations for licensures by the States.

Any student of exceptional fitness, however, after having completed the first three years' work and who then desires to devote the major part of his time to one or more of the laboratory departments may do so during the fourth year. Such an arrangement can be made only with the approval of the Dean and the heads of the departments concerned. The departments in which the student is engaged shall then determine whether his work has given such satisfaction as would warrant the degree at the end of the year.

Custom and experience are in favor of a long summer vacation, and the utilization of the cool months alone for teaching. The Faculty have therefore decided on a period of thirty-two actual working weeks exclusive of the time occupied by holidays and examinations. This working period is

CORNELL UNIVERSITY MEDICAL COLLEGE

divided into three terms the first of twelve, the second of ten, and the third of eleven weeks. By this arrangement it is possible to obtain a certain degree of "concentration" in the teaching of those subjects in which that plan is advantageous, and it is thus also possible to maintain a proper sequence in the curriculum.

The extensive opportunity for continuous ward work afforded by the curriculum of the third and fourth years in no wise replaces the valuable work afforded by hospital internship, but is in a way preparatory thereto. Every graduate of this medical school is expected to pursue the usual interne service in some hospital, our graduates having little or no difficulty in obtaining the best positions under competitive examinations in addition to those appointments directly and indirectly controlled by this College. Without prolonged hospital training no physician should attempt to practice nor to teach; and no specialist can be worthy of the name who has not had the broad foundation insured by such a service.

For details of the course see Departmental Announcements, which follow, and the scheduled curriculum, pages 73 to 82.

DETAILS OF THE PLAN OF INSTRUCTION.

THE DEPARTMENT OF ANATOMY.

CHARLES R. STOCKARD, M.S., Ph.D., M.D., Sc.D., *Professor of Anatomy.*

CHARLES V. MORRILL, A.M., Ph.D., *Associate Professor of Anatomy.*

ROBERT CHAMBERS, JR., A.M., Ph. D., *Professor of Microscopic Anatomy.*

GEORGE PAPANICOLAOU, Ph.D., M.D., *Assistant Professor of Anatomy.*

WILLIAM L. SNEED, M.D., *Instructor in Applied Anatomy.*

JOSE F. NONIDEZ, Sc.D., *Instructor in Anatomy.*

PAUL REZNIKOFF, B.S., M.D., *Assistant in Anatomy.*

PHILIP B. ARMSTRONG, B.S., *Assistant in Anatomy.*

CONSTANTINE V. GRAND, *Assistant in Anatomy.*

RUSSEL H. PATTERSON, B.S., M.D., *Assistant in Applied Anatomy.*

I. Morphology.

Structure of Man.—This course considers the structure of the various organs and systems of the human body in the light of their variations and evolutions. The relationship of the parts of the organs and systems are also explained by numerous facts gathered from experimental morphological studies on lower vertebrates.

The chief aim is to instill into the student the idea that animal structures are constantly changing and varying, yet are so definite as to lend themselves to logical analysis.

Laboratory, 40 hours (elective), and demonstration conferences, 22 hours (optional).

Text-books.—Wiedersheim's *Comparative Anatomy* and *Bau des Menschen*, Wilder's *History of Man*, together with special works and monographs on the subject.

Professor Stockard.

II. Embryology and Histology.

The work in *embryology* presupposes a general knowledge of the subject, particularly that of the early development of the chick. It embraces a thorough study of the development of the mammalian embryo in the light of our knowledge of the evolution of the human body. Malformations resulting from developmental disturbances are broadly considered. A feature of the course is the close correlation with the course in *gross anatomy*.

The work in *histology* includes the histogenesis and microscopic structure of all of the organs of the human body with the exception of the central nervous system (see *neuro-anatomy*). Emphasis is laid on the relation of structure to function.

The tissues are studied principally by means of stained sections and drills are given for a rapid identification of their diagnostic features. Demonstrations of living material are made and opportunities are offered for acquiring the essentials of histological technique.

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A part of the course is devoted to seminars on current literature.

Laboratory course and lectures—258 hours, October to March. Required of all first year students.

Text-books.—Prentiss, *Developmental Anatomy*; Lewis, *Text-book of Histology*; Keith, *Human Embryology and Morphology*; Schäfer, *Microscopic Anatomy*; scientific journals.

Professor Chambers, Dr. Nonidez and assistants.

III. Neuro-Anatomy.

A laboratory course on the gross and microscopic anatomy of the human central nervous system. Especial emphasis is laid on the more important pathways and their functions.

Laboratory and demonstrations, 88 hours. Required of all first year students during the third term.

Text-books.—Ranson, *Anatomy of the Nervous System*; Villiger's *Brain and Spinal Cord*; Herrick's *Introduction to Neurology* and any of the text-books of anatomy used in Course IV.

Associate Professor Morrill and Drs. Nonidez and Hausman.

IV. Gross Anatomy of the Human Body.

This is taught by means of laboratory exercises and dissections held in the dissecting room at stated hours.

The following are the courses required:

COURSE I. THE UPPER EXTREMITY.

COURSE II. THE HEAD AND NECK.

COURSE III. THE LOWER EXTREMITY.

COURSE IV. THE THORAX.

COURSE V. THE ABDOMEN AND PELVIS.

The required work in each of the above courses includes:

(a) Dissection of the part.

(b) Demonstrations, study, and recitations upon dissected and prepared specimens, and from standard text-books.

(c) An oral examination at the completion of each course.

Total laboratory hours, 350 (minimum). First and second terms of the first year.

COURSE VI. A DEMONSTRATION COURSE. Optional for the first-year students. Demonstrations upon the cadaver, models and dissected preparations amplifying the courses in dissection during the first and second terms of the first year.

COURSE VII. STUDY ROOM COURSE IN LIVE ANATOMY.

Since the ultimate aim of dissection is to acquaint the student not merely with the arrangement of structures in the cadaver, but with the facts of the living body, this course follows as a natural sequence to the work of the dissecting room. Optional to first-year students.

COURSE VIII. DISSECTION REVIEW.

The work covers a repetition of Courses I-V, giving an opportunity for advanced dissection. Optional to students of the second, third or fourth year. Afternoons.

DETAILS OF THE PLAN OF INSTRUCTION

COURSE IX. TOPOGRAPHICAL ANATOMY.—A study of the relations and topography of the parts of the body by means of frozen sections. Cleared preparations and living models are also used. Members of the class must submit a number of drawings made from the sections.

Laboratory, 36 hours. Required during the first term of second year.

Text-books.—Cunningham's *Manual of Practical Anatomy*, two vols.; Cunningham's *Text-book of Anatomy*; Spalteholz's *Atlas of Human Anatomy*; Morris' *Human Anatomy*; Gray's *Anatomy*; Piersol's *Human Anatomy*.

Professors Stockard, Morrill and assistants.

V. Applied Anatomy.

This course is given during the second term of the third year. It is conducted as a laboratory exercise and aims to demonstrate the important facts or regional and topographical anatomy as applied to the practice of medicine and surgery.

Laboratory, 60 hours (optional).

Text-books.—Woolsey's *Applied Surgical Anatomy*; Davis' *Applied Anatomy*.

Dr. Sneed and assistants.

VI. Elective Courses Preparatory to the Specialties.

Optional for students of the third and fourth years. These courses offer a thorough review of the embryology, histology and gross anatomy of the following organs and systems:

- (a) The eye.
 - (b) The ear.
 - (c) The face and neck, including especially the nose and accessory sinuses, the mouth and salivary glands, pharynx and larynx, thyroid and parathyroid glands.
 - (d) The genito-urinary system, male and female.
 - (e) The brain and spinal cord.
 - (f) The thorax and abdomen.
 - (g) The extremities, especially the joints and their mechanics.
- Laboratory, 40 hours. Professor Stockard and instructors.

VII. Elective Courses for Advanced Students.

COURSE I. GENERAL HISTOLOGY.—This course will comprise a study of the various types of tissues which form the several organs of the vertebrate body. The structures will be studied not only from the mere morphological standpoint, but the various biological problems involved will be taken into consideration. The close relationship between structure and function will be elucidated.

Twenty lectures, March to June.

Registration not later than January. Professor Chambers.

COURSE II. THE ANATOMY OF THE INFANT.—A course of lectures amplified by demonstrations and the study of preparations.

Twenty lectures arranged for in advance. Professor Stockard.

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COURSE III. DEVELOPMENT ARRESTS AND STRUCTURAL DEFICIENCIES.—A discussion of the imperfections in development which may occur during various periods from the maturation of the germ cells, fertilization of the egg on through embryonic and fetal development.

Fifteen lectures. Professor Stockard.

COURSE IV. EXPERIMENTAL EMBRYOLOGY.—These lectures begin with the history of the subject and the various aspects of the problems concerned. The experimental analysis of embryological processes is then considered from the several points of view.

Twenty lectures with conferences considering the recent literature of the subject. March to June. Professor Stockard.

COURSE V. REGIONAL ANATOMY.—This course will comprise a thorough review by means of dissections, demonstrations and reading of the gross anatomy, histology and development of selected regions of the body and of organs and organ systems.

Laboratory and demonstration, 3 half days a week for two months.

Associate Professor Morrill and assistants.

COURSE VI. FOURTH-YEAR ELECTIVES.—The Department of Anatomy will arrange a schedule of work to fit individual cases for a limited number of *fourth-year students* desiring to devote the major part or all of their elective time. Such work will be designed, in cases where sufficient time is available, to equip the student to become a laboratory assistant.

VIII. Anatomical Research.

To students desiring to pursue research in anatomical subjects the equipment of the entire department is available. Members of the staff will gladly assign subjects and direct the progress of advanced work of this type. The work may be elected by students who enter with advanced credits, or by any student who has completed the preliminary courses in descriptive anatomy, histology and embryology. The course is also open to graduates in medicine or biology.

SUMMARY.

	<i>First Year.</i>	<i>Second Year.</i>	<i>Third Year.</i>
Morphology* .....	.....	.....	.....
Embryology and Histology	258 hours	.....	.....
Gross Anatomy	350 hours	.....	.....
Topographical Anatomy ....	.....	36 hours	.....
Neuro-Anatomy	88 hours	.....	.....
Applied Anatomy .....	.....	.....	60 hours

*Optional.

PHYSIOLOGY.

GRAHAM LUSK, Ph.D., *Professor of Physiology.*

DAYTON J. EDWARDS, Ph.D., *Associate Professor of Physiology.*

HARRY J. DEUEL, JR., Ph.D., *Instructor in Physiology.*

McKEEN CATTELL, M.D., *Assistant in Physiology.*

DETAILS OF THE PLAN OF INSTRUCTION

First Year. Nervous System and Respiration.

Lectures laboratory, recitations and a weekly seminar. Physiology of the muscle and nerve, the central nervous system, the special senses and respiration.

Second Year. Physiology and Nutrition.

Lectures, laboratory, recitations and seminar. Circulation, secretion, digestion, internal secretions and metabolism.

SUMMARY.

	<i>First Year.</i>	<i>Second Year.</i>
Lectures	44 hours	45 hours
Recitations	22 hours	18 hours
Seminary .....	.....	9 hours
Laboratory	99 hours	81 hours

Text-books.—Starling's, Howell's or Macleod's *Physiology*; Lusk, *Science of Nutrition*; Wiggers, *Circulation in Health and Disease*; Collateral Reading, Scientific Journals.

CHEMISTRY.

STANLEY R. BENEDICT, Ph.D., *Professor of Chemistry.*

HUGH E. MORROW, A.B., *Instructor in Chemistry.*

JEANETTE A. BEHRE, Ph.D., *Instructor in Chemistry.*

EMIL OSTERBERG, *Instructor in Chemistry.*

NATHAN F. BLAU, Ph.D., *Associate in Chemistry.*

ELEANOR B. NEWTON, A.M., *Assistant in Chemistry.*

The instruction in chemistry is concentrated in the first year, and is arranged upon the assumption that the student is already thoroughly grounded in the principles of chemistry and in physics. The object aimed at is to impart that fundamental knowledge of organic and physiological chemistry which is necessary to the comprehension of the bearings of chemistry upon physiology, pharmacology and medicine.

Lectures.—There will be two lectures a week during the first term upon physical chemistry. The elements of the subject will be presented with special emphasis upon the properties and reactions of colloids, and the theory of indicators. Roentgen and radium rays are also discussed.

During the second term two lectures a week will be devoted to organic and physiological chemistry. The lectures will discuss groups of compounds of especial biological importance, emphasizing especially the carbohydrates, purines, amino acids and the fats.

In the third term two lectures weekly will be devoted to Physiological Chemistry.

Recitations and Conferences.—There will be one recitation weekly during the third term. These recitations are largely in the nature of conferences.

CORNELL UNIVERSITY MEDICAL COLLEGE

Laboratory Work.—During the first term there will be one session weekly of three and one-half hours in physical chemistry. The experiments are designed to familiarize the student with the fundamental properties of electrolytes and colloids, and to study the phenomena of osmosis and dialysis. Methods of hydrogen ion determination are also studied.

In the second term there will be two sessions weekly of two and one-half hours in organic and physiological chemistry. This work will be directed mainly to the preparation and examination of organic compounds of biological importance, and will furnish practice on those points in which laboratory manipulations are desirable.

During the third term there will be two three-hour laboratory sessions in physiological chemistry. This course will include the study of the reactions of the carbohydrates, fats and proteins; of the composition of the salivary, gastric, pancreatic and intestinal secretions and the bile, and their actions in digestion; of the feces, urine, blood and milk; and of the examination of pathological fluids, concretions, etc. The arrangement of this course is in coaptation with those in physiology and in clinical pathology.

In the laboratory courses each student is supplied with all apparatus and chemicals required.

Chemical Pathology.—Elective in the fourth year. A practical course in the chemical analysis of the blood. The laboratory work is supplemented by informal lectures and discussions. Hours to be arranged.

Research.—The laboratory will be open during "optional hours" to students of any year who desire to prosecute advanced work or research, subject to the regulations of the office.

SUMMARY.

	<i>First Year.</i>
Recitations	11 hours
Laboratory	162 hours
Lectures	66 hours

Text-books.—Hawk, *Practical Physiological Chemistry*, eighth edition. For Collateral Reading:—Mathews, *Physiological Chemistry*; Wells, *Chemical Pathology*; McCollum, *Organic Chemistry*, for students of Medicine and Biology.

PHARMACOLOGY.

ROBERT ANTHONY HATCHER, Ph.G., M.D., *Professor of Pharmacology.*
HARRY GOLD, M.D., *Instructor in Pharmacology.*

Work in this department is offered during the second and third years.

DETAILS OF THE PLAN OF INSTRUCTION

Pharmacology.

I. Laboratory.—Sixty hours will be devoted to the study of the actions of drugs in the third trimester of the second year.

The experiments are designed to illustrate a wide range of pharmacologic actions, the more important drugs being considered with reference to their actions on different structures. Professor Hatcher and Dr. Gold.

II. Lectures.—Thirty hours will be devoted to lectures, conferences and written reviews on Systematic Pharmacology in the first trimester of the third year. Professor Hatcher and Dr. Gold.

Materia Medica and Pharmacy.

III. Elementary Pharmacy and Toxicology.—Ten hours will be devoted to the consideration of crude drugs, and making pharmacopœial preparations of the different pharmaceutical classes (such as extracts, pills, etc.,) by the students. Each laboratory exercise will be preceded by an informal discussion of the work to be done and its relation to therapeutics.

IV. Research. Elective.—Students will be encouraged to conduct original research under the supervision of the members of the staff. Such work affords a valuable insight into pharmacologic methods, and assists in the formation of a correct estimate of the original work of others.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>
Lectures and Conferences.....	.....	34 hours
Laboratory	66 hours	10 hours

Text-books.—Sollmann, *A Text-book of Pharmacology*; *A Laboratory Guide in Pharmacology.*

DEPARTMENT OF PATHOLOGY.

General Pathology, Pathological Anatomy, Experimental Pathology,
Chemical Pathology.

JAMES EWING, M.D., *Professor of Pathology.*

OTTO H. SCHULTZE, M.D., *Professor of Medical Jurisprudence.*

ELISE S. L'ESPERANCE, M.D., *Assistant Professor of Pathology.*

DOUGLAS SYMMERS, M.D., *Assistant Professor of Pathological Anatomy.*

CHARLES S. B. CASSASSA, M.D., *Instructor in Pathological Anatomy.*

LEWIS D. STEVENSON, M.D., *Instructor in Neuro-Pathology.*

WILLIAM W. BEATTIE, M.D., *Instructor in Pathology.*

ARTHUR H. DODGE, M.D., *Instructor in Pathological Anatomy.*

EDWARD N. WHITCOMB, M.D., *Instructor in Pathological Anatomy.*

EVERETT L. BISHOP, M.D., *Assistant in Pathology.*

J. FRANK FRASER, M.D., *Assistant in Dermopathology.*

CORNELL UNIVERSITY MEDICAL COLLEGE

GENERAL PATHOLOGY.

Facilities.—The department of pathology occupies the main part of the fourth floor of the college building, in which are a class room and working museum, demonstration room for pathological anatomy with refrigerating plant, a preparation room for pathological histology, four private laboratory rooms for officers of the department, an animal hospital, and the library.

Pathological material is drawn from New York Hospital, Bellevue Hospital and the City Morgue, Memorial Hospital for Cancer and Allied Diseases, and other Hospitals.

The museum contains a selected collection of 3,000 specimens illustrating most of the common and many rare pathological lesions. It is especially rich in lesions of bones and in tumors.

The histological cabinets contain about 20,000 slides arranged anatomically and cross-indexed for special diseases. There are also 100 sets of demonstration slides for undergraduate teaching purposes.

The library contains 12,000 bound volumes of current periodicals in English, French, German and Italian, and 5,000 selected reprints and monographs.

A volume is issued jointly by the Departments of Pathology, Bacteriology, and Hygiene, in which are collected the main studies coming from these laboratories. The Department of Pathology with the collaboration of heads of other departments conducts the work of the Huntington Fund for Cancer Research of the Memorial Hospital, and at appropriate times issues reports of these studies.

Instruction.—The course of instruction in pathology begins in the first term of the second year, with lectures and gross and microscopical demonstrations, illustrating degeneration, inflammation, repair of tissue, and the infectious granulomas. At the same time the student observes the external phenomena of disease in demonstrations conducted by the Departments of Medicine and Surgery, reads about them in text-books, and prepares recitations on these topics. Coincidentally, biweekly demonstrations of gross pathological material collected from autopsies are conducted. The introduction of each topic is made by individual demonstration of museum specimens followed by the study of microscopic sections. Further co-ordination of work is accomplished by having the course in bacteriology proceed at the same time. The second term is occupied by the subject of tumors, and diseases of the lungs. The third term is devoted to Special Pathology of the organs, constitutional diseases, gynecological pathology, and neuropathology.

Pathological Anatomy is continued through the three terms of the course in general pathology, and in the third and fourth years the student witnesses or performs autopsies. Various elective courses are offered in the latter portion of the fourth year.

SYNOPSIS OF COURSES.

General Pathology.—Lectures, gross and microscopical demonstrations in:

- (a) Degeneration, Inflammation, Regeneration, Granulomas.

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Required in first term of second year. (b) Tumors and Special Pathology of Lungs. Required in second term of second year. (c) Special Pathology of Constitutional Diseases, etc. Gynecological Pathology, Neuropathology. Required in third term of second year. 243 hours. Professors Ewing and L'Esperance and Drs. Beattie, Stevenson and Bishop.

Pathological Anatomy.—Demonstrations of gross lesions in material collected from autopsies, gross pathological diagnosis, pathogenesis of symptoms and lesions. 66 hours. Required in second year. Professor Schultze, Drs. Cassassa and Dodge.

Autopsy Technique.—Section teaching at Morgue. Required in third year. Professor Symmers and Dr. Whitcomb.

Medico-legal Pathology.—The medico-legal relations of pathology are extensively illustrated in the material collected in the morgue and in the museum, and special attention is devoted to this subject in the third and fourth years. Professor Schultze, Drs. Cassassa and Dodge.

Recitations, Examinations.—Written recitations are conducted monthly throughout the year. Written and practical examinations are held at the end of the course.

Electives.—In the latter part of the fourth year the student may return to the laboratory and pursue advanced courses in several fields to be determined on consultation. The following courses are specifically recommended.

1. Pathological technique.
2. Tumor diagnosis and General Oncology.
3. Gynecological Pathology.
4. Dermatopathology.
5. Neuropathology.
6. Surgical Pathology.
7. Special pathology and study of groups of cases with the production of a thesis.

Most of these elective courses will require the student's entire time for one to three months but may be continued into the summer.

Special Students and Special Degrees.—Opportunity is afforded to a limited number of students to engage in original research in selected topics under the direction of an instructor. The student must contract to devote his entire time, in the usual sense, to the pursuit of the problem, and the results of the work may be published under the auspices of the department. The work may be pursued in the college laboratories, in the Loomis Laboratory, at the New York Hospital, or at the Memorial Hospital in cancer research.

Under the conditions laid down in the Graduate School of Medicine, the student may obtain the degree of M.S., after one year, or Ph.D. after three years of study in Pathology. The completion of an original thesis is required for these degrees, and they are granted only to graduates in Medicine.

CORNELL UNIVERSITY MEDICAL COLLEGE

CANCER RESEARCH.

Since 1904 the work of the Huntington Fund for Cancer Research has been located in the laboratories of Cornell University Medical College under the general direction of the Department of Pathology, and with the collaboration of heads of other departments. Later through the support of Dr. James Douglas, and the co-operation of the Board of Managers, it has been extended to the laboratories of the Memorial Hospital. A laboratory building accommodating pathology, biology, chemistry and physics has recently been erected.

The organization of this work includes pathology, Prof. Ewing; bacteriology, Prof. Torrey; chemistry, Prof. Benedict; biology, Prof. Stockard; pathology, Prof. L'Esperance.

Clinical studies in the diagnosis, natural history, and treatment of neoplastic diseases are conducted in the hospital by the members of the Staff. The general conduct of the ward service is in charge of Dr. Wm. S. Stone, Clinical Director. The Radium Department is in charge of Dr. Douglas Quick. Other special departments are conducted by Drs. B. S. Barringer, Burton J. Lee, William P. Healey and others. The radium laboratory possesses four grams of radium metal, supplied by the National Radium Institute through the late Dr. James Douglas. The radium laboratory is in charge of Mr. Gioacchino Failla, Phycisist, and four assistants. The X-ray Department is in charge of Dr. Ralph E. Herendeen, Roentgenologist. Prof. Walter F. Wilcox is Consulting Statistician.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year</i>	<i>Fourth Year.</i>
General and Special Pathology.....	195 hours	48 hours	.....
Pathological Anatomy	66 hours	10 hours	.....
Autopsy Technics .....	.....	.....	Variable

BACTERIOLOGY.

WILLIAM J. ELSEY, M.D., *Professor of Bacteriology.*

ARTHUR F. COCA, M.D., *Professor of Immunology.*

ROBERT A. COOKE, M.D., *Assistant Professor of Applied Immunology.*

GEORGE W. WHEELER, M.D., *Assistant Professor of Bacteriology.*

ELLA F. GROVE, *Instructor in Immunology.*

RUTH A. THOMAS, A.B., C.P.H., *Instructor in Bacteriology.*

ROBERT KOCH, M.D., *Instructor in Bacteriology.*

WILL C. SPAIN, M.D., *Instructor in Immunology.*

I. Bacteriology.

The subject is taught in the second year in two parts. Part I includes the preparation of culture media, the principles of sterilization and disinfection, the methods of isolation and differentiation of bacterial species

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and a study of their bio-chemical behaviour. Part II includes a detailed study of the pathogenic bacteria; special attention being paid to their relation to diseases of man. This work is supplemented by lectures and conferences dealing with the theoretical phases of bacteriology and immunology.

II. Immunology.

A. A laboratory and didactic course is given to second year students in two sections following the course in bacteriology. This course is designed primarily to familiarize the student with the fundamental immunological and serological principles, as well as the technic involved in the recognized clinical and forensic application of those principles, viz., the Widal, precipitin, Wassermann, von Pirquet, Schick, and Dick tests; the standardization of diphtheria antitoxin; the grouping of human individuals with respect to isohemagglutinins; and the cutaneous test for atopic hypersensitiveness (asthma and hay fever).

B. The preceding course is offered also to a limited number of fourth year students in two sections (not more than 15 students in each section).

III. Applied Immunology.

A. A lecture course to third year students is given in conjunction with the Department of Medicine on diagnosis and specific treatment of human hypersensitiveness.

B. An elective clinical course in applied immunology is offered to fourth year students in conjunction with IIb. This course consists of the practical study of various forms of hypersensitiveness in man, ample material for which is provided in the special clinic, two evenings (4 hours) for one week at the New York Hospital.

SUMMARY.

	<i>Second Year.</i>	<i>Fourth Year.</i>
Bacteriology	160 hours	.....
Immunology	50 hours	elective

MEDICINE.

LEWIS A. CONNER, M.D., *Professor of Medicine.*

WALTER L. NILES, M.D., *Professor of Clinical Medicine.*

EUGENE F. DUBOIS, M.D., *Associate Professor of Medicine.*

NELLIS B. FOSTER, M.D., *Associate Professor of Medicine.*

WILLIAM C. THRO, M.D., *Professor of Clinical Pathology.*

FRANK S. MEARA, M.D., *Professor of Clinical Medicine.*

ALEXANDER LAMBERT, M.D., *Professor of Clinical Medicine.*

CHARLES E. NAMMACK, M.D., *Professor of Clinical Medicine.*

MALCOLM GOODRIDGE, M.D., *Professor of Clinical Medicine.*

HENRY B. RICHARDSON, M.D., *Assistant Professor of Medicine.*

RUSSELL L. CECIL, M.D., *Assistant Professor of Clinical Medicine.*

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ARTHUR L. HOLLAND, M.D., *Assistant Professor of Clinical Medicine.*
SAMUEL BRADBURY, M.D., *Assistant Professor of Clinical Medicine.*
ROBERT A. COOKE, M.D., *Assistant Professor of Applied Immunology.*
RALPH G. STILLMAN, M.D., *Assistant Professor of Clinical Pathology.*
CARY EGGLESTON, M.D., *Assistant Professor of Clinical Medicine.*
CALVIN H. GODDARD, M.D., *Assistant Professor of Clinical Medicine.*
HARRY A. BRAY, M.D., *Lecturer on Tuberculosis.*
HAROLD E. B. PARDEE, M.D., *Associate in Medicine.*
ALICE R. BERNHEIM, M.D., *Assistant in Medicine.*
JOHN H. RICHARDS, M.D., *Instructor in Clinical Pathology and Medicine.*
NANCY JENISON, M.D., *Instructor in Medicine.*
WALTER H. BRUNDAGE, M.D., *Instructor in Medicine.*
DAN H. WITT, M.D., *Instructor in Medicine.*
HORACE S. BALDWIN, M.D., *Instructor in Medicine.*
CHARLES H. NAMMACK, M.D., *Instructor in Medicine.*
LESTER T. GAGER, M.D., *Instructor in Medicine.*
ASA L. LINCOLN, M.D., *Instructor in Medicine.*
ROBERT R. HANNON, M.D., *Instructor in Medicine.*
PAUL REZNIKOFF, M.D., *Instructor in Medicine.*
HORACE S. BALDWIN, M.D., *Instructor in Medicine.*
MORTON RYDER, M.D., *Instructor in Clinical Medicine.*
BENJAMIN H. ARCHER, M.D., *Instructor in Clinical Medicine.*
ANNE M. BELCHER, M.D., *Instructor in Clinical Medicine.*
HAROLD S. BELCHER, M.D., *Instructor in Clinical Medicine.*
HAYNES H. FELLOWS, M.D., *Instructor in Clinical Medicine.*
CONNIE M. GUION, M.D., *Instructor in Clinical Medicine.*
HARRY H. HAMILTON, M.D., *Instructor in Clinical Medicine.*
LOUIS A. HAUSER, M.D., *Instructor in Clinical Medicine.*
EDMUND R. P. JANVRIN, M.D., *Instructor in Clinical Medicine.*
BERTON LATTIN, M.D., *Instructor in Clinical Medicine.*
LEON I. LEVINE, M.D., *Instructor in Clinical Medicine.*
ROYCE PADDOCK, M.D., *Instructor in Clinical Medicine.*
ANNA PLATT, M.D., *Instructor in Clinical Medicine.*
NEIL C. STEVENS, M.D., *Instructor in Clinical Medicine.*
FRANCIS T. WILLIAMS, M.D., *Instructor in Clinical Medicine.*
JOSEPHINE B. NEAL, M.D., *Assistant in Clinical Medicine.*

The course in Medicine is begun in the first trimester of the second year and is continued through the second, third and fourth years. Instruction is given by means of didactic lectures, laboratory exercises, amphitheatre clinics, recitations, section classes in the wards and in the College Clinic and clinical clerkships in the wards of Bellevue and New York Hospitals.

SECOND YEAR.

Introductory Clinics.—The subject of Medicine is introduced in the first trimester by a series of elementary clinics given at the New York Hospital by Professors Conner and Foster. These clinics are designed to acquaint the student with the simpler and more obvious aspects of important and common types of disease and to stimulate in him the habit of observation. In Bellevue Hospital during the same period a course in Pathological Physiology consisting

DETAILS OF THE PLAN OF INSTRUCTION

of lectures and illustrative clinics is given by Professors DuBois, Richardson, Cecil, and Dr. Hannon. The exercises are intended to bridge the gap between the course in Physiology and that in Medicine and to emphasize the importance of the changes in function which occur in disease.

In the third trimester clinics are held in the Amphitheatre of Bellevue Hospital by Professor DuBois and his associates.

Recitations.—A systematic study of Osler's Textbook of Medicine is begun in the second trimester. Recitations are held once a week by Professor DuBois and Dr. Witt.

Physical Diagnosis.—During the first trimester the principles of Physical Diagnosis are presented in lectures and demonstrations by Dr. Pardee and the students are instructed in the various methods of physical examination. In the second trimester the student is given opportunity to practice physical diagnosis by the examination of patients in the wards of the New York and Bellevue Hospitals. The Class is divided into small sections and the bedside teaching conducted by Doctors Pardee, Nammack, Richardson, Baldwin, Jager, and Hannon under the direction of Professor Foster.

THIRD YEAR.

Lectures.—During the first and second trimesters one lecture a week is given by Professor Conner upon the general symptomatology of disease. Each of the commoner and more important symptoms is considered in detail with special reference to the physiological processes involved.

Physical Diagnosis.—This subject is continued in the third year during the second and third trimesters. The Class is divided into small groups, each of which in turn is assigned to service in the medical department of the College Clinic. Each student under careful supervision of an instructor is expected to take histories and to make the record physical examinations. This course is under the direction of Professor Bradbury.

Clinics.—In the first and third trimesters general medical clinics are held once a week in the College Amphitheatre by Professor Conner. At the Clinics are presented such ambulatory types of medical diseases as are usually not seen in the hospital wards.

Recitations.—The systematic study of Osler's Textbook of Medicine, begun in the second year, is continued during all the three trimesters of the third year. Recitations are conducted by Professors Cecil and Richardson and Doctors Richards and Baldwin.

Therapeutics.—Instruction in therapeutics, under the charge of Professor Goodridge, is given in the form of lectures and conferences, during the third trimester of the third year, and practical demonstrations in the wards of Bellevue Hospital during the period of clinical clerkship in the fourth year. For one-half of this period (two weeks) especial emphasis is laid upon treatment and the student receives practical instruction in the use of the more important drugs and in the various other therapeutic procedures.

Clinical Pathology.—The introductory required course, under the charge of Professor Thro, is given in the first trimester of the third year. It con-

CORNELL UNIVERSITY MEDICAL COLLEGE

sists of ninety-six hours of lectures and laboratory work. This time is devoted to the teaching and the practical application of methods for the examination of urine, blood and blood serum, sputum, exudates and transudates, spinal fluid, gastric contents, feces, and for the bacteriological examination of clinical material.

During the remainder of the third year and in the fourth year the students perform laboratory tests on patients assigned them in the clinics and hospitals, where they are supervised by instructors in the Department of Medicine.

In the latter part of the fourth year students have the opportunity to elect work in Clinical Pathology.

FOURTH YEAR.

Clinical Clerkships.—The time allotted to medicine in the last year is devoted entirely to practical work in the wards of New York and Bellevue Hospitals and to elective subjects. Each student is required to serve for a period of two months as clinical clerk in the medical wards; the time being divided equally between New York and Bellevue Hospitals. During this period his entire day is spent in the wards and clinical laboratories. A certain number of patients are assigned for study to each student. Under careful supervision he takes the histories, makes physical examinations, performs the various necessary laboratory examinations and records the progress of the cases. He is expected to be present at all post mortem examinations and to attend the clinical pathological conferences. Each afternoon teaching rounds for the entire group on duty are made by some members of the Attending Staff.

At the New York Hospital, in addition to the routine ward teaching by Professors Conner and Foster, a weekly conference by Professor Foster is held with the group upon disorders of metabolism and their treatment, as exemplified by cases in the wards; a course of eight periods on the fluoroscopic investigation of the gastro-intestinal tract is given by Doctor Holland, and a part of one afternoon of each week is devoted by Doctor Pardee to the study of cardiac arrhythmias and the interpretation of electrocardiographic and polygraphic records.

At Bellevue Hospital, in addition to the routine ward teaching by Professors DuBois, Niles, and Goodridge, are held once a week a clinical pathological conference and a medical clinic. At the latter, cases are presented by the student clerks and are discussed by the staff and the results of experimental work done by the research members of the staff are demonstrated in connection with the cases studied. During this period also the students spend four afternoons in the wards of the Tuberculosis Division where, through the courtesy of Dr. James Alexander Miller, Visiting Physician in charge, they receive instruction together with students from the College of Physicians and Surgeons.

Elective Studies.—The latter part of the fourth year is available for elective work. For courses offered see page 67.

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Graduate Study and Research.—The clinics and laboratories of Bellevue and New York Hospitals are available for special study and research to a limited number of physicians possessing suitable training.

Bellevue Hospital Clinic.—The Russell Sage Institute of Pathology is especially equipped for the investigations of problems of metabolism. The calorimeter is operated in conjunction with a metabolism ward and there is a chemical research laboratory for the study of problems connected with respiration and the gases of the blood.

New York Hospital Clinic.—The clinical laboratory and chemical laboratory are closely allied with the wards and offer excellent facilities for the study of the chemical aspects of disease. Special lines of research may also be carried on in the serological and bacteriological laboratories of the Hospital in conjunction with clinical observation in the wards. These laboratories have been used notably in the study of the anæmias, nephritis, and protein sensitization.

SUMMARY.

Medicine.*

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	12 hours	35 hours	.....
Recitations	21 hours	35 hours	.....
Clinics	64 hours	11 hours	.....
Clinical Clerkships .....	.....	.....	312 hours
Sections	44 hours	10 hours	.....
Clinical Pathology .....	.....	96 hours	.....

SURGERY.

CHARLES L. GIBSON, M.D., *Professor of Surgery.*

JOHN A. HARTWELL, M.D., *Associate Professor of Surgery.*

HENRY H. M. LYLE, M.D., *Assistant Professor of Surgery.*

GEORGE WOOLSEY, M.D., *Professor of Clinical Surgery.*

JOHN ROGERS, M.D., *Professor of Clinical Surgery.*

IRVING S. HAYNES, M.D., *Professor of Clinical Surgery.*

HOWARD LILIENTHAL, M.D., *Professor of Clinical Surgery.*

BURTON J. LEE, M.D., *Professor of Clinical Surgery.*

JAMES MORLEY HITZROT, M.D., *Professor of Clinical Surgery.*

POL CORYLLOS, M.D., *Professor of Clinical Surgery.*

CHARLES E. FARR, M.D., *Assistant Professor of Surgery.*

PERCY R. TURNURE, M.D., *Assistant Professor of Clinical Surgery.*

JOSEPH P. HOGUET, M.D., *Assistant Professor of Clinical Surgery.*

JOHN C. A. GERSTER, M.D., *Assistant Professor of Clinical Surgery.*

HAROLD E. SANTEE, M.D., *Assistant Professor of Clinical Surgery.*

GUILFORD S. DUDLEY, M.D., *Assistant Professor of Clinical Surgery.*

ELISE S. L'ESPERANCE, M.D., *Assistant Professor of Pathology.*

RALPH G. STILLMAN, M.D., *Assistant Professor of Clinical Pathology.*

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GEORGE W. HAWLEY, M.D., *Lecturer on Fractures.*
JAMES H. KENYON, M.D., *Instructor in Clinical Surgery.*
EDWARD C. BRENNER, M.D., *Instructor in Operative Surgery.*
LEILA C. KNOX, M.D., *Instructor in Surgical Pathology.*
MORRIS K. SMITH, M.D., *Instructor in Surgery.*
ABRAHAM J. BELLER, M.D., *Instructor in Operative Surgery.*
JOHN M. O'CONNOR, M.D., *Instructor in Operative Surgery.*
JOSEPH E. KING, M.D., *Instructor in Surgery.*
FENTON TAYLOR, M.D., *Instructor in Clinical Surgery.*
W. MORRIS WEEDEN, M.D., *Instructor in Surgery.*
LUCIUS A. WING, M.D., *Instructor in Clinical Surgery.*
WILLIAM L. SOULE, M.D., *Instructor in Anesthesia.*
NELSON K. BENTON, M.D., *Instructor in Operative Surgery.*
H. H. JOHNSON, M.D., *Instructor in Operative Surgery.*
WILLIAM E. STUDDIFORD, JR., M.D., *Instructor in Surgical Pathology.*
JOHN E. SUTTON, M.D., *Assistant in Surgery.*
FENWICK BEEKMAN, M.D., *Assistant in Clinical Surgery.*
RICHARD W. BOLLING, M.D., *Assistant in Clinical Surgery.*
BRADLEY COLEY, M.D., *Assistant in Clinical Surgery.*
CLAY RAY MURRAY, M.D., *Assistant in Clinical Surgery.*
HERBERT BERGAMINI, M.D., *Assistant in Clinical Surgery.*
RUSSELL H. PATTERSON, M.D., *Assistant in Clinical Surgery.*
PENELOPE MARSH, M.D., *Bacteriologist, Department of Surgery.*

In the second year the introductory course in surgery consists of a series of lectures and recitations, clinics in the College Dispensary and sections in Bellevue and St. Mary's Hospitals.

In the third year recitations are continued upon regional surgery; the class is instructed in sections at Bellevue and St. Luke's Hospitals in history taking and methods of surgical examination and diagnosis, three hours a week for one term, one hour a week in minor surgery in the College Clinic during the second term and four and a half hours a week at Memorial Hospital in neoplasms.

In the second and third terms clinics for the whole class are held weekly at Bellevue, New York and St. Luke's Hospitals. Thirty-three lectures are given by the Professors of Surgery.

Operative Surgery. The course in charge of Dr. John C. A. Gerster consists of recitations and operative work on the cadaver. Each member of the class performs all the principal operations.

In the fourth year students spend eight weeks as clinical clerks in the wards of the New York and Bellevue Hospitals. They also receive clinical instruction in small groups in several hospitals and dispensaries on the special branches of urology, gynecology and orthopedics. In the last two months all the work is purely elective and the students may supplement their work in surgery by clinical electives and by taking some of the group of surgical lectures which are offered annually.

DETAILS OF THE PLAN OF INSTRUCTION

HOSPITAL WORK

The Cornell University Medical College through its control of the First Surgical Service of the New York Hospital, the Second Surgical Division of the Bellevue Hospital and the Memorial Hospital and with clinical privileges at St. Luke's and St. Mary's Hospitals, possess every facility necessary for the efficient teaching of practical surgery and surgical pathology.

The Staff of Instruction at the New York Hospital is at present organized as follows:

NEW YORK HOSPITAL, CORNELL (FIRST SURGICAL) DIVISION.

CHARLES L. GIBSON, M.D., *Professor of Surgery, Attending Surgeon.*

BURTON J. LEE, M.D., *Professor of Clinical Surgery, Associate Attending Surgeon.*

JAMES M. HITZROT, M.D., *Professor of Clinical Surgery, Associate Attending Surgeon.*

CHARLES E. FARR, M.D., *Assistant Professor of Clinical Surgery, Assistant Attending Surgeon.*

RALPH G. STILLMAN, M.D., *Assistant Professor of Clinical Pathology, Assistant Director Department of Pathology.*

GEORGE W. WHEELER, M.D., *Assistant Professor of Bacteriology, Bacteriologist.*

W. MORRIS WEEDEN, M.D., *Instructor in Surgery, Assistant Attending Surgeon.*

WILLIAM W. BEATTIE, M.D., *Instructor in Pathology, Pathologist.*

CLAY RAY MURRAY, M.D., *Assistant in Clinical Surgery, Deputy Assistant Surgeon.*

WILLIAM L. SOULE, M.D., *Instructor in Anesthesia, Anesthetist.*

The work is carried on in collaboration with the additional appointees from the Department of Pathology.

The division consists of about 60 surgical beds and a variable proportion of the children's service. The service is acute in character, and is particularly rich in the graver emergency and traumatic material.

Attached to this division is also a large Dispensary (Tuesday, Thursday and Saturday mornings), which furnishes valuable material for instruction and includes departments in urology, orthopedics, gynecology and dental surgery.

The resources of the Pathological Department under Professor Elser afford valuable opportunities for the study of surgical pathology, and an intimate connection between the two departments is maintained.

Instruction consists of bedside instruction, diagnosis clinics, operative and post-operative clinics, practical instruction in sections (with utilization of the Dispensary clinical material) and clinical clerkships.

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Schedule of Surgical Clinical Clerkships

Assignments

Week	Group I.	Group II.	Group III.	Group IV.
1st	Operating Room*	Anesthesia	Gynecology**	
2nd		Operating Room*	Anesthesia	Gynecology**
3rd	Gynecology**		Operating Room*	Anesthesia
4th	Anesthesia	Gynecology**		Operating Room*

*Including emergency operations, 7-11 P.M.

**Dispensary, Tuesday, Thursday and Saturday at 11 A.M.

Schedule

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10 A.M.		Rounds Dr. Lee				
11 A.M.	Dr. Wheeler 1st Monday only		Rounds Dr. Hitzrot			Dr. Farr Dispensary 11:15
12 N.	Dr. Soule 1st Monday only	Dr. Wheeler 1st Tuesday only			Dr. Murray	
2 P.M.	Pathology* 2-2:30	Dr. Weeden	Pathology** 2-2:30		Pathology*** 2-2:30	
	Dr. Weeden 2:30-3:30		Dr. Murray 2:30-3		Rounds—Dr. Gibson, 2:30	
3 P.M.	Dr. Murray 3:30-4		Field			
4 P.M.			Rounds		Miss Josephi 2nd Friday only	

*Dr. Weeden attends.

**Dr. Murray attends.

***Dr. Gibson attends.

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Each section of students, for four weeks, as scheduled on page 45, is subdivided into four smaller groups and the course is planned to give a rotating service changing weekly. The work of the students is similar to that of the junior internes; but carried out under careful supervision. In addition, special instruction is given by members of the Attending Staff, the Staffs of the Pathological Laboratory and of the Out Patient Department in special work.

All patients in the hospital service are assigned to the student groups who become responsible for all the histories, physical examinations, laboratory investigations and observations on treatment and convalescence after operation.

A special course in Surgical Pathology is given on three days a week by Dr. Beattie.

Students are urged to write a short paper during the course preferably on some case or subject studied during their clerkship.

BELLEVUE HOSPITAL, CORNELL (SECOND SURGICAL) DIVISION.

HAROLD E. SANTEE, M.D., *Assistant Professor of Clinical Surgery, Director of Surgery.*

JOHN A. HARTWELL, M.D., *Associate Professor of Surgery, Visiting Surgeon.*

GEORGE WOOLSEY, M.D., *Professor of Clinical Surgery, Consulting Surgeon.*

JOHN ROGERS, M.D., *Professor of Clinical Surgery, Visiting Surgeon.*

GUILFORD S. DUDLEY, *Assistant Professor of Clinical Surgery, Assistant Visiting Surgeon.*

ELISE S. L'ESPERANCE, M.D., *Assistant Professor of Pathology, Surgical Pathologist.*

FENTON TAYLOR, M.D., *Instructor in Clinical Surgery, Assistant Visiting Surgeon.*

JOSEPH E. KING, M.D., *Instructor in Surgery, Assistant Visiting Surgeon.*

BRADLEY COLEY, M.D., *Assistant in Clinical Surgery, Adjunct Assistant Visiting Surgeon.*

HERBERT BERGAMINI, M.D., *Assistant in Clinical Surgery, Surgeon to Out Patients and Adjunct Assistant Visiting Surgeon.*

RUSSELL H. PATTERSON, M.D., *Assistant in Clinical Surgery, Surgeon to Out Patients and Adjunct Assistant Visiting Surgeon.*

JOHN E. SUTTON, M.D., *Assistant in Surgery, Surgeon to Out Patients and Adjunct Assistant Visiting Surgeon.*

WILLIAM E. STUDDIFORD, JR., M.D., *Assistant in Surgical Pathology, Department of Surgery, Assistant Surgical Pathologist.*

PENELOPE MARSH, *Bacteriologist, Department of Surgery, Surgical Bacteriologist.*

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The Division consists of 90 surgical beds in addition to those devoted to surgical pediatrics, genito-urinary diseases and gynecology, the hospital instruction in which is outlined under their respective departments. The service is so arranged that the Associate Professor and a Clinical Professor are on continuous duty throughout the College year.

The hospital interne staff perform the routine duties of the wards, and are assisted in history taking, dressing, etc., by the surgical clerks, who spend their entire day in the wards during their period of clerkship, these privileges being extended exclusively to the students of the Cornell University Medical College.

Surgical Clerkships.—Intensive ward teaching is done under this head in the wards of Bellevue Hospital during the fourth year. The students are assigned in sections for four weeks each. They are under the direction of the Associate Professor aided by the corps of instruction.

Each student devotes his entire day to the work continuously for four weeks. He is assigned to the study of a certain number of patients, and is enabled to follow the complete course of the disease from the admission of the patient to his discharge. In the event of death he is present at the autopsy should one be performed.

In this way the student has an opportunity to follow to a conclusion a large number of surgical affections, and he is instructed in the proper methods of surgical history taking, surgical physical examination, surgical dressings, and operative surgery as seen at the operating table. He is also instructed in the laboratory study, including bacteriology, of the blood, urine, feces, exudates, and transudates. This laboratory work is done under the direction of the staff in the laboratories connected with the hospital, and is under the immediate charge of the Surgical Pathologist to the Division. Each student spends 24 hours in the pathological laboratory, where he is instructed in a series of lesions illustrating the cases under his observation.

By this method of instruction, each student comes into intimate contact with a large number of surgical patients, and is required to make a complete study of each one from every standpoint. He has constantly at his service two or more of the teaching staff to guide him in his work, and impress on him the proper methods of observation and study.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	33 hours.	21 hours.	.....
Recitations	12 hours.	46 hours.	.....
Clinics	57 hours.	56 hours.	.....
Sections	9 hours.	.....	.....
Operative Surgery .....	.....	44 hours.	.....
Clinical Clerkships .....	.....	.....	312 hours.
Elective .....	.....	.....	<i>Variable</i>

DETAILS OF THE PLAN OF INSTRUCTION

Text-books.—Arnhurst's *Text-book of Surgery*; Rose and Carless, *Surgery*; Choyce, *A System of Surgery*; Thompson and Miles, *Manual of Surgery*, 6th Edition; Gould, *Surgical Diagnosis*.

Collateral Reading.—Lexer-Bevan, *General Surgery*; Stimson, *Fractures and Dislocations*; Binnie, *Operative Surgery*, 7th Edition; Binnie, *Regional Surgery*; *Lehrbuch der Chirurgie*, Garré and Borchard.

OBSTETRICS AND GYNECOLOGY.

GEORGE GRAY WARD, M.D., *Professor of Obstetrics and Gynecology*.
HAROLD C. BAILEY, M.D., *Associate Professor of Obstetrics and Gynecology*.
LILIAN K. P. FARRAR, M.D., *Assistant Professor of Obstetrics and Gynecology*.
HERVEY C. WILLIAMSON, M.D., *Instructor in Obstetrics and Gynecology*.
JOHN F. McGRATH, M.D., *Instructor in Obstetrics and Gynecology*.
FRANCIS W. GRAVELLE, M.D., *Instructor in Obstetrics and Gynecology*.
HOWARD S. McCANDLISH, M.D., *Instructor in Obstetrics and Gynecology*.
ALFRED PLAUT, M.D., *Instructor in Gynecological Pathology*.
OGDEN F. CONKEY, M.D., *Instructor in Obstetrics and Gynecology*.
WILLIAM P. DRISCOLL, M.D., *Instructor in Obstetrics and Gynecology*.
LYNN L. FULKERSON, M.D., *Instructor in Obstetrics and Gynecology*.
IRA WILENS, M.D., *Instructor in Obstetrics and Gynecology*.

OBSTETRICS.

Instruction in obstetrics will be given during the third and fourth years by recitations, lectures, manikin practice, ward section work, clinics and conferences, laboratory instruction, and attendance upon cases of confinement.

THIRD YEAR—First Term—*Recitations* in sections will be held by the instructors on the physiology of pregnancy, the mechanism of labor and the care of the woman during the lying-in period. Definite assignments of study from a standard text-book are made. 12 hours.

Lectures will be given by Professor Bailey which are illustrated by lantern slides and the exhibition of specimens and methods, and deal with the problems of menstruation, ovulation, embryology and the physiology of early pregnancy and the puerperium. The principles of the hygiene of pregnancy and the conduct of normal labor are emphasized. 12 hours.

THIRD YEAR—Second and Third Terms—*Recitations* in sections dealing with the pathology of obstetrics will be held by Drs. Williamson, Gravelle and McCandlish. Certain subjects are allotted for study and the student is closely quizzed on this work. This course is in the nature of a conference and discussion is encouraged. 21 hours.

Manikin practice is given to sections of the class and carried on in correlations with the quiz class. There is individual work by the students upon the phantoms under the close supervision and criticism of the instructors, Drs. Gravelle and McCandlish. 10 hours.

Second and Third Terms—Professor Bailey will give a series of illustrated lectures on the pathology and complications of pregnancy. 21 hours.

CORNELL UNIVERSITY MEDICAL COLLEGE

Second and Third Terms—Ward Section Work. The sections are divided into groups of eight or ten and they spend ten sessions of two hours each in the wards of Bellevue Hospital under the direction of Professor Bailey and the instructors. The sections are opened each day by the demonstration of whatever operative material there is at hand. It is then continued by bedside instruction in the management of the pregnant and parturient woman and the care of the new-born child. 20 hours.

Laboratory instruction is given in the Departments of Anatomy and Pathology upon the histology of the vulva, uterus, ligaments, Fallopian tubes, and ovaries in the pregnant and non-pregnant conditions and upon the histology and pathology of the decidua, chorion, placenta and umbilical cord. Material is demonstrated from cases of puerperal infections and toxemias of pregnancy.

FOURTH YEAR—First and Second Terms—Practical Instruction—Students attend cases in labor at the Berwind Maternity Clinic and make the requisite post-partum visits. The class in sections of five or more reside in the clinic building during a period of two weeks. Each student attends from twelve to twenty cases and when possible, follows his case from the prenatal visits to the tenth day of the puerperium. The student is instructed particularly in the prenatal care. The follow-up clinic carries the mother through a period of six weeks and the child for a period of one year. The student does his work under the close control of the entire staff of instructors. Conferences are held in the Clinic and free discussion of the cases under treatment is encouraged.

Approximately 98 hours.

Third Term—An elective course in advanced obstetrics is given under the direction of Professor Bailey. The student spends two weeks at Bellevue Hospital and two weeks at the Berwind Maternity Clinic and the periods are eight hours a day at the former institution and twelve hours a day at the latter. In order that a certain number of operative cases may be seen the time is divided through the month into day and night services. While on the Berwind Clinic service a student may elect to serve full time rather than a twelve hour duty. Operative procedures are observed and the student takes part in the prenatal examination and general ward administration.

GYNECOLOGY.

Instruction in Gynecology is given during the second, third and fourth years by (1) Section teaching in the Out-Patient Department, (2) General operative clinics, (3) Section work in operative clinics, (4) Ward demonstrations and conferences, (5) Laboratory courses, and (6) Full time elective courses.

1. Small sections of three or four students are drilled by the instructors in methods of examination and treatment of ambulatory cases in the Cornell Clinic during the third year. In connection with the Out-Patient teaching, instruction is given in gynecological cystoscopy, the technic of endoscopy, cystoscopy, catheterizations of ureters and testing of kidney efficiency as applied to gynecological cases.

DETAILS OF THE PLAN OF INSTRUCTION

2. A general operative clinic by Professors Ward and Farrar is held at the Woman's Hospital for the fourth year students throughout the first and second terms. Charts, blackboard drawings, clay modeling, etc., are employed before the operation is begun, to teach the principles of operative gynecology: A stereomotograph is used during the operation to throw lantern slides upon the screen to show the operative steps and to refresh the student's memory of the anatomy of the region.

3. Small sections permit students at the operation to examine the patient under anæsthesia and thus enables them to study the detail of the operation, to write up reports, and to check up the diagnosis.

4. Ward demonstrations and conferences are held by the head of the department during the first and second terms of the fourth year at the Woman's Hospital. The students are brought into contact with the patients they have seen at operation and are thus enabled to follow the post-operative course of each case. They take histories of patients awaiting operation and make pelvic examinations under guidance.

Methods of diagnosis are demonstrated and the appropriate treatment is outlined. Non-operative treatments are demonstrated during these conferences.

5. A course in pathological gynecology is given by the department of Pathology during the third year. Specimens from the museum and microscopical sections of diseased tissues are demonstrated.

Lectures on gynecological pathology and laboratory demonstrations of secretions, discharges and specimens obtained from patients who come under operation are given to sections of the fourth year class by Dr. Plaut as a part of the course at the Woman's Hospital.

6. An elective course is given at the Woman's Hospital during the third term of the fourth year. The course provides for four students, working under supervision, as clinical clerks and assistants in the hospital from 9 A. M. to 5 P. M. daily for one month. It includes operating room work, the study of special research problems and preparation of a thesis.

SYNOPSIS OF COURSES.

Obstetrics	SUMMARY.	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures		12 hours	.....
Recitations		21 hours	.....
Sections		30 hours	.....
Practical Obstetrics	98 hours*

Gynecology	SUMMARY.	<i>Third Year.</i>	<i>Fourth Year.</i>
Sections		10 hours	.....
Clinics	(Elective)
Ward Demonstrations and Conferences.....		102 hours

*Approximately.

Text-books.—Williams, DeLee, *Obstetrics*; Crossen, *Gynecology*; Anspach, *Gynecology*; Polak, *Gynecology*; Ashton, *Gynecology*.

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PEDIATRICS.

OSCAR M. SCHLOSS, M.D., *Professor of Pediatrics.*
 LOUIS C. SCHROEDER, M.D., *Assistant Professor of Pediatrics.*
 LYNN A. HOAG, M.D., *Associate in Pediatrics.*
 JESSE F. SAMMIS, M.D., *Instructor in Pediatrics.*
 MAY G. WILSON, M.D., *Instructor in Pediatrics.*
 PHILIP M. STIMSON, M.D., *Instructor in Pediatrics.*
 ARTHUR F. ANDERSON, M.D., *Instructor in Pediatrics.*
 SAMUEL Z. LEVINE, M.D., *Instructor in Clinical Pediatrics.*
 ROBERT O. DUBOIS, M.D., *Assistant in Clinical Pediatrics.*
 JAMES R. WILSON, M.D., *Assistant in Clinical Pediatrics.*
 CARL E. WEIGLE, M.D., *Assistant in Clinical Pediatrics.*
 THOMAS E. WALDIE, M.D., *Assistant in Clinical Pediatrics.*

The aim of this department will be to give thorough instruction in the fundamental principles of Pediatrics.

The student will be given opportunity to become familiar with the diseases peculiar to infants and children, and will receive special instruction in infant feeding and hygiene, and the therapeutics of children's diseases.

Third Year. There will be a clinical lecture once a week during the second and third terms. This will comprise a systematic consideration of the subject of Pediatrics, supplemented by the demonstration of illustrative cases. The students will be assigned in sections for recitations in which the field of pediatrics will be consecutively considered.

Sections of students will be assigned to the wards for instruction in physical examination, diagnosis and treatment of sick infants and children.

A course of instruction in acute contagious diseases will be given at the Willard Parker Hospital. The student will have opportunity to become familiar with the diagnosis, care and treatment of such diseases.

Fourth Year.—The work during the fourth year will be entirely practical. The major part of the instruction will be in the Out Patient Department of the New York Nursery and Child's Hospital, but in addition, the students will attend ward rounds and have an opportunity to study hospital cases. During the latter part of the year there will be an elective course limited to a small number of students.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Clinics	31 hours	.....
Recitations	21 hours	.....
Sections	40 hours	.....
Clinical Clerkships .....	.....	48 hours
Elective .....	.....	60 hours

Text-books.—Holt, *Diseases of Infancy and Childhood*; Griffiths, *Diseases of Children*; Porter and Carter, *Management of the Sick Infant*.

Collateral Reading.—Still, *Common Disorders and Diseases of Childhood*; Hess, *Principles and Practice of Infant Feeding*; Morse and Talbot, *Diseases of Nutrition and Infant Feeding*.

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NEUROLOGY.

CHARLES L. DANA, M.D., *Professor of Clinical Medicine, Department of Neurology.*

R. FOSTER KENNEDY, M.D., *Professor of Clinical Medicine, Department of Neurology.*

JUNIUS W. STEPHENSON, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

WALTER M. KRAUS, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

THOMAS K. DAVIS, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

GEORGE H. HYSLOP, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

LEWIS STEVENSON, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

Instruction in neurological anatomy, physiology and chemistry is given by the respective departments in the first and second years.

Instruction in Neurology begins in the second semester of the Third Year with weekly clinical lectures and conferences. During this period optional instruction is also given to small groups in the college clinic under the direction of the Chief of Clinic. In the Fourth Year, the students are given clinical instruction in sections in the Neurological wards of Bellevue Hospital until the 1st of April. In the last two months of the Fourth Year optional courses in Neurology are given.

SUMMARY.

	<i>Third Year.</i>	<i>Four Year.</i>
Lectures .....	.....	.....
Clinics	21 hours	.....
Sections .....	.....	36 hours

Text-book.—Dana, *Diseases of the Nervous System.*

Collateral Reading.—Works on nervous diseases by Sachs, Starr, Church and Peterson, Jelliffe and White, Oppenheim, Bing, and Stewart.

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PSYCHIATRY.

GEORGE H. KIRBY, M.D., *Professor of Clinical Medicine, Department of Psychiatry.*

SANGER BROWN, 2d, M.D., *Instructor in Clinical Medicine, Department of Psychiatry.*

HENRY A. BUNKER, JR., M.D., *Instructor in Clinical Medicine, Department of Psychiatry.*

BERTRAM D. LEWIN, M.D., *Instructor in Clinical Medicine, Department of Psychiatry.*

ABRAHAM KARDINER, M.D., *Instructor in Clinical Medicine, Department of Psychiatry.*

Instruction in psychiatry is given in the third and fourth years. During the third year, first term, eleven lectures on psychopathology will serve as an introductory course to the study of clinical psychiatry. The students will become acquainted with the principles of abnormal psychology and their application in medical practice. During the second term the course in clinical psychiatry will begin with ten lectures dealing with the relation of psychiatry to general medicine, with special emphasis on the study of personality, borderland cases, psychoneuroses, psychopathic states and mental deficiency. There will also be given ten one-hour clinical demonstrations for the purpose of illustrating the types of cases discussed in the lectures. During the third term eleven lectures will be given dealing with the psychoses, their etiology, symptoms and treatment including their medico-legal aspects. Supplementing these lectures, eleven two-hour clinical demonstrations will be given on the wards of the Manhattan State Hospital, Ward's Island. The lectures and clinical presentations will afford the student an opportunity to become familiar with the examination, observation, diagnosis and treatment of mental disorders. Special emphasis will be placed on the earliest manifestations of mental diseases and their management while under the care of the general practitioner.

During the fourth year an elective course will be offered to a limited number of students. This will afford an opportunity for the personal examination and study of selected cases. Students may thus study in detail the evolution of symptoms and psychological mechanisms in various psychoneurotic and psychotic types. An opportunity will also be given for students to become familiar with the various psychometric tests which are used in establishing a diagnosis of mental deficiency.

SUMMARY.

	<i>Third Year Fourth Year.</i>	
Lectures on Psychopathology	12 hours	.....
Lectures on Psychiatry	21 hours	.....
Clinics and Practical Exercises.....	32 hours	.....
Advanced Psychiatry .....	.....	(Elective)

SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY

UROLOGY.

EDWARD L. KEYES, M.D., *Professor of Clinical Surgery, Department of Urology.*

BENJAMIN S. BARRINGER, M.D., *Instructor in Clinical Surgery, Department of Urology.*

HOWARD S. JECK, M.D., *Instructor in Clinical Surgery, Department of Urology.*

JULIUS J. VALENTINE, M.D., *Instructor in Clinical Surgery Department of Urology.*

MAX S. ROHDE, M.D., *Instructor in Clinical Surgery, Department of Urology.*

WILLIAM A. WILSON, M.D., *Instructor in Clinical Surgery, Department of Urology.*

The courses in this department are required of students during the second, third and fourth year. They are designed to give instruction in diagnosis and treatment of the surgical diseases of the urinary and male genital organs.

Clinic.—Third Year. A two-hour clinic will be given in Bellevue Hospital during the second term by Professor Keyes. At this clinic typical cases are demonstrated and discussed by the students themselves. Cases are followed during their stay in the Hospital and by means of a return clinic throughout their convalescence.

Lectures.—Second Year. A course of eleven lectures will be given to the second-year class during the third term of the college session.

Section Teaching.—Second Year. The second-year class will be divided into sections of small size for instruction in the College Dispensary during the first and second terms.

Hospital Work.—Students who elect the course in the fourth year are assigned to clerkships in the wards of Bellevue Hospital and study the cases in the wards devoted to Urology continuously for one month.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Clinics .....	.....	20 hours	.....
Sections	10 hours	.....	.....
Lectures	11 hours	.....	.....
Clinical Clerkships	Elective

Text-book.—Keyes.

Collateral Reading.—Cabot, Thompson-Walker.

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DERMATOLOGY.

HANS J. SCHWARTZ, M.D., *Professor of Clinical Medicine, Department of Dermatology.*

OSCAR L. LEVIN, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

ANDREW J. GILMOUR, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

J. FRANK FRASER, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

RAY H. RULISON, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

Instruction in Dermatology and Syphilology will be given by Doctor Schwartz and his assistants. No teaching will be given didactically, but the cutaneous diseases will be demonstrated on the living subject. Abundance of material for such instruction is obtainable, and the student can thoroughly familiarize himself with the more common as well as with the rarer diseases of the skin by actual personal touch and observation. Attention is particularly paid to the diagnosis and the etiology of skin diseases, but their therapeutics also receive due consideration. Instruction will also be given in the intravenous and other forms of treatment by salvarsan and neosalvarsan.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Four Year</i>
Sections	10 hours	.....	Elective
Clinic	11 hours	22 hours	Elective

Text-books.—Stelwagon, *Diseases of the Skin*; Schamberg, *Diseases of the Skin and Eruptive Fevers.*

LARYNGOLOGY AND RHINOLOGY.

HARMON SMITH, M.D., *Professor of Clinical Surgery, Department of Laryngology and Rhinology.*

WALTER C. MONTGOMERY, M.D., *Assistant Professor of Clinical Surgery, Department of Laryngology and Rhinology.*

ARTHUR PALMER, M.D., *Instructor in Clinical Surgery, Department of Laryngology and Rhinology.*

THOMAS A. MULCAHY, M.D., *Instructor in Clinical Surgery, Department of Laryngology and Rhinology.*

The professor of the department gives instruction to the third year students by didactic lectures and clinical exercises. In this work he is assisted by the instructor and his other assistants. The lectures are illustrated by plates, models and stereopticon projections.

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Each student is also individually instructed in the ordinary methods of examination of the nose and throat and shown the recent measures employed in laryngoscopy and bronchoscopy.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	12 hours	.....
Sections	20 hours	Elective
Clinic .....	.....	Elective

Text-books.—Wright and Smith, *Diseases of the Nose and Throat.*

Collateral Reading.—St. Clair Thomson, *Diseases of the Nose and Throat*; Knight, *Diseases of the Nose and Throat.*

OPHTHALMOLOGY.

ROBERT G. REESE, M.D., *Professor of Clinical Surgery, Department of Ophthalmology.*

BERNARD SAMUELS, M.D., *Assistant Professor of Clinical Surgery, Department of Ophthalmology.*

GEORGE W. VANDEGRIFT, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

CHARLES A. DRAKE, M.D., *Instructor in Clinical Surgery, Department of OPTHALMOLOGY.*

AQUIN S. KELLY, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

Instruction in Ophthalmology is given during the second and third years. The class is divided into small sections for work in the College Clinic. Each student receives individual instruction in the use of the ophthalmoscope. External diseases of the eye and anomalies of the ocular muscles are covered in a practical way. Some time is devoted to errors of refraction and the fitting of glasses.

During the first part of the year the professor of the department gives clinical lectures to the entire class, the patients coming from the College Clinic and the New York Eye and Ear Infirmary. These lectures are illustrated with stereopticon pictures.

Students may take Ophthalmology as an elective course, in the fourth year. An opportunity to witness operations, on the living, by the professor and the instructors, is provided at the New York Eye and Ear Infirmary. The histopathology of the eye is taught by microscopical sections prepared for the purpose.

SUMMARY.

	<i>Second Year.</i>	<i>Fourth Year.</i>
Sections	20 hours	.....
Clinic	11 hours	Elective

Text-book.—De Schweinitz.

Collateral Reading.—Fuchs, May.

CORNELL UNIVERSITY MEDICAL COLLEGE

OTOLOGY.

FREDERICK WHITING, M.D., *Professor of Clinical Surgery, Department of Otolology.*

GEORGE B. MCAULIFFE, M.D., *Assistant Professor of Clinical Surgery, Department of Otolology.*

STEWART L. CRAIG, M.D., *Assistant in Clinical Surgery, Department of Otolology.*

For clinical instruction in Otology the third-year class is divided into sections. Each student receives practical instruction in the College Dispensary from Professor Whiting and his assistants in the examination of patients, the use of the otoscope, and the various methods of testing the hearing. The student is permitted to examine patients and after a probationary period, to prescribe for them and thus gradually assume the duties of a clinical assistant. The students also have an opportunity of witnessing the more important operations in aural surgery, including intracranial complications, at the New York Eye and Ear Infirmary.

	<i>Third Year.</i>
Lectures	10 hours
Sections	5 hours

Text-book.—Bacon, *On the Ear.*

Collateral Reading.—Politzer, *Diseases of the Ear*; Macewen, *Pyogenic Infective Diseases of the Brain and Spinal Cord*; Whiting, *The Modern Mastoid Operation.*

ORTHOPEDIC SURGERY.

CHARLTON WALLACE, M.D., *Professor of Clinical Surgery, Department of Orthopedic Surgery.*

ARTHUR H. CILLEY, M.D., *Assistant Professor of Clinical Surgery, Department of Orthopedic Surgery.*

IRVIN BALENZWEIG, M.D., *Instructor in Clinical Surgery, Department of Orthopedic Surgery.*

WILLIAM V. HEALEY, M.D., *Instructor in Clinical Surgery, Department of Orthopedic Surgery.*

Instruction in this department is carried on in the third and fourth years:

I. In the first term of the third year:

(a) Didactic and clinical lectures are given for one hour a week to the entire class in the college lecture room. Professors Wallace and Cilley.

(b) The students work in sections in the College Clinic for ten hours in the examination and treatment of patients. Prof. Cilley.

II. In the fourth year:

(a) Each section of the class receives bedside instruction in congenital and acquired deformities in the wards of the Hospital for the Ruptured and Crippled, two mornings each week for four weeks.

(b) One morning a week for four weeks each section receives instruction in industrial surgical conditions, at the Reconstruction Hospital. Dr. Healey.

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(c) Students are taught methods of examination and are required to examine the patient, giving a concise resumé of the history, diagnosis and treatment to be employed in each case. Informal recitations and discussions are held for one hour following the case work.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	12 hours	.....
Sections	10 hours	.....
Ward Work .....	.....	36 hours

Text-books.—Whitman and Soutter's *Operative Orthopedics*.

ROENTGENOLOGY.

HARRY M. IMBODEN, M.D., *Professor of Roentgenology.*

ALBERT B. FERGUSON, M.D., *Instructor in Roentgenology.*

RAMSAY SPILLMAN, M.D., *Instructor in Roentgenology.*

The course in this department consists of the demonstration of the apparatus and the method of making Roentgen examination of various portions of the body. The time is largely spent in considering the scope and accuracy of this method of diagnosis in all branches of medicine. This will include the study and interpretation of Roentgenograms showing foreign bodies, fractures, dislocations, and bone and joint lesions, renal, ureteral, and verical calculi and other lesions which can be detected Roentgenographically, including pyelography. Lesions of the skull, the study of the teeth, infections of the accessory sinuses, together with the Roentgeno-diagnosis of joint lesions produced by these infections will be considered. Respiratory lesions—abscesses, tumors of the lungs, mediastinal tumors—are carefully considered, special attention being devoted to the early diagnosis of pulmonary tuberculosis.

Lesions of the gastro-intestinal tract such as strictures and diverticula of the œsophagus, and growths. Particular emphasis will be given to the motor phenomena of the stomach; to the diagnosis of gastro-duodenal lesions such as carcinoma, ulcers of the stomach and duodenum; and to gall-bladder infection, with or without calculi.

As far as possible this work will be carried on in conjunction with the other clinical departments, all students having the opportunity of studying individual cases clinically before the Roentgenographic study, then comparing the clinical findings, the Roentgen findings, and if possible the surgical findings in such cases as require surgical procedure.

After having had demonstrated to them a series of plates on allied subjects the students are in turn required to re-interpret these Roentgenograms to the class. This method has proved exceedingly valuable and will be followed to a great extent.

Finally, the course will conclude with lectures on Roentgeno-therapy covering the treatment of both superficial and deep-seated lesions, describing the cross-fire method, the advantage of high penetration with the Coolidge tube, and methods of dosage in the application of rays with or without filters.

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SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	21 hours	Elective
Sections	10 hours	10 hours

HYGIENE.

JOHN C. TORREY, Ph.D., *Professor of Hygiene.*

JOHN W. CHURCHMAN, M.D., *Associate in Hygiene.*

LINSLEY R. WILLIAMS, M.D., *Lecturer on Hygiene.*

MORTON C. KAHN, Ph. D., *Instructor in Hygiene.*

Instruction in some of the many branches of hygiene and preventive medicine is given in connection with certain of the courses pursued in the several departments of Bacteriology, Chemistry, Physiology, Pathology and Medicine.

The more distinctive features of this subject, however, are presented in a course of lectures and demonstrations extending throughout the third year. A certain amount of laboratory work is required of each student in the first term. In addition time has been allotted for field work through which the student may acquire experience in making sanitary surveys and visit localities in the vicinity where the practical application of sanitary devices and hygienic methods may be observed.

SUMMARY.

	<i>Third Year.</i>
Lectures and Conferences.....	42 hours
Laboratory Work	72 hours
Field Work	36 hours*

*Eleven afternoons are assigned for field experience.

Text-book.—Park, *Public Health and Hygiene*; Rosenau, *Preventive Medicine and Hygiene*.

Collateral Reading.—MacNutt, *Manual for Health Officers*; Wood, *Sanitation Practically Applied*; Chandler, *Animal Parasites and Human Disease*.

MEDICAL JURISPRUDENCE.

OTTO H. SCHULTZE, M.D., *Professor of Medical Jurisprudence.*

A course of lectures from the standpoint of the medico-legal autopsy, with demonstration of material, will be given by Professor Schultze. This course will cover autopsy technique in medico-legal cases, the autopsy protocol, and laboratory methods for establishing the proof of the cause of death in cases of accident, suicide, and homicide; also, the forensic aspect of the subject in cases of indemnity, liability and criminal prosecution.

The clinical aspects of the subject are covered in the regular course of study by several departments and by special lectures. The responsibilities of the physician towards the insane and their relatives and the general public, and the medico-legal aspects of mental deficiency are discussed by Professor Kirby. In the course on Obstetrics, Professor Bailey takes up the moral and legal side of rape, feigned and unconscious pregnancy, what

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constitutes a "live birth," feigned or unconscious delivery, injury to the fetus during precipitate labor, post-mortem delivery and the diagnosis of recent delivery. The medico-legal aspects of Toxicology are fully covered during the course in Pharmacology by Professor Hatcher.

MILITARY SCIENCE AND TACTICS.

JOHN M. HEWITT, Major, M.C., U.S.A., A.M., M.D., *Professor of Military Science and Tactics.*

This course is concurrent with the medical course, extending over a period of four years (two basic and two advanced), and is designed to prepare students for commissions in the medical section of the Officers' Reserve Corps upon graduation in medicine. Instruction embraces lectures and recitations, with graphic and stereopticon demonstrations at college one hour each week.

Summer Camps. One compulsory summer camp during the course is held at the Medical Field Service School, Carlisle, Pa., where actual field conditions are simulated. The whole is calculated to touch every important phase of medico-military science.

At camp the student takes an actual part in the mimic enactment of the various rôles played by the medical service in campaign, of which the two chief functions are the salvage of the wounded and the prevention of disease.

Sanitation, sanitary devices and epidemiological methods in peace and war time are demonstrated. A generous portion of time is given to athletics, field and gymnasium. There is some drill, some mapping and sketching, with such social entertainment as a college town of 10,000 may provide.

SYNOPSIS OF COURSE.

1st Year. The elements of Medico-military science, including Personal Hygiene, First Aid, Customs of the Service, Articles of War and Court Martial, Organization and Administration, Food, Clothing, Equipment, Shelter.

2nd Year. Sanitary Tactics. The Sanitary Soldier in War. Hygiene and Sanitation of Troops and battle areas. The Medical Regiment. First Aid, Shock, Hemorrhage, Gas, Evacuation and Transportation methods for wounded.

3rd Year. The essentials of Military Hygiene and Sanitation. Water purification (in peace and war); Disposal of Wastes (in peace and war); Hygiene of Moving Troops; the Train, the Ship, the March.

Communicable diseases (in peace and war); Detection; Isolation; Prevention Methods. Sanitation: Garrison and Field. Inspections. Sanitary devices.

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4th Year. Hospitals and Hospitalization (in peace and war); Development of hospitals; Construction; Equipment; Procurement; Government; Service and Practice; Interior Economy; Rules and Regulations.

Administration.

Special War Wounds; War Surgery.

The course may be shortened by allowing credits for competent courses of military training completed elsewhere.

In the advanced Course the Government gives the student the money value of a ration which has usually amounted to about \$10.00 per month. There is an allowance of 70 cents per diem at the Summer Camp, with a ration, and the transportation from College or home to Camp and return, or 5 cents a mile, in lieu of Government transportation.

FOURTH YEAR ELECTIVES
FOURTH YEAR ELECTIVES.
SESSION OF 1924-1925

March 30th to May 23d, 1925.

Students will register their courses at the Secretary's office on or before March 1st.

A. ANATOMY.

- I. General Histology. Dr. Chambers. 2 months. Mondays, Wednesdays, Fridays, 9-12. 3-6 students.
- II. Phases of Histogenesis. Dr. Chambers. 2 months. Tuesdays and Thursdays, 10-12. 3-6 students.
- III. Anatomy of the Infant. Dr. Stockard. 2 months. Mondays, Wednesdays, Thursdays, Fridays, 2-5 P.M. 1-4 students.
- IV. Experimental Embryology. Dr. Stockard. 2 months. Tuesdays, 2-3 P.M. Not less than 6 students.
- V. Regional Anatomy. Dr. Morrill. 2 months. Mondays and Wednesdays, 9-12. 3-6 students.
- VI. Neuro-Anatomy. See Neurology.

Py. PHYSIOLOGY.

- I. Calorimeter Investigation. Dr. Lusk. April only. 4 weeks. 9 A.M.-1 P.M. daily. 2 students.
- II. Electrocardiography. Dr. Edwards. 12 weeks. 1-5 P.M. daily. 1-4 students.

C. CHEMISTRY.

- I. Chemical Pathology. Selected work in Blood Analysis. Dr. Benedict. 1 month. Tuesdays and Thursdays, 10-1. 2-10 students.

Pr. PHARMACOLOGY.

- I. Pharmacology of Cardiac Drugs. Drs. Hatcher and Gold. 2-week periods. Monday, Wednesday, Friday, 2-5 P.M. 4-12 students.

M. MEDICINE.

- I. Clinical Clerks. Drs. Conner, Foster and Stillman. New York Hospital. 1 month periods. Daily, all day. 5 students.
- II. Physical Diagnosis of Diseases of the Chest. Dr. Ryder. Bellevue Hospital. April or May. Tuesday and Thursday, 2-5 P.M. Students are expected to spend at least two mornings per week preparing cases. Open to fourth year students and graduates. 5 students.
- III. Advanced Course in Metabolism Methods. Drs. DuBois, Richardson, Hannon and Shorr. Bellevue Hospital. The hours and work in this course will be arranged, if possible, according to the free time of the students. Instruction will be given in the technique of basal metabolism determinations by various methods including some work with the respiration calorimeter. Students will be instructed in the planning of diets and the methods of conducting metabolism experiments. Each student is expected to take part in some original investigation. 1 or 2 months. Daily, one-half day. 4 students.

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- IV. Fluoroscopy of the Gastro-Intestinal Tract. Dr. Holland. New York Hospital. 1 month periods. Tuesday and Friday, 4-6 P.M. 6 students.
- V. Electro-Cardiography and Polygraphy. Interpretation of the electro-cardiogram and the use of the polygraph and the interpretation of its records. Dr. Pardee. New York Hospital. 1 month periods. Monday and Friday, 3-5 P.M. 5 students.
- VI. Diagnosis and Treatment of Heart Failure. Dr. Eggleston. Bellevue Hospital. 1 month periods. Monday and Wednesday. 2 to 5 P.M. 6 students. Students are expected to devote at least 2 mornings per week to the preparation of cases and the study of literature.

CP. CLINICAL PATHOLOGY.

- I. Advanced Clinical Pathology, Wednesdays and Fridays, 10-1. One month periods. Dr. W. C. Thro. Icteric Index. Fungi found in skin diseases. Determination of bicarbonate content of blood. Preparation of vaccine. Spinal fluid examination. Dark field examination. Parasites in blood and feces.

S. SURGERY.

- I. Clinical Clerks. Drs. Hartwell, Santee and Dudley. Bellevue Hospital. 1 month periods. All day. 4 selected students.
- II. Surgical Pathology. Bellevue Hospital. Laboratory and wards. 1 month periods. All day. 2 students.
- III. Clinical Clerks. Dr. Gibson. New York Hospital. 1 month periods. All day. 4 students.
- IV. Dispensary Course. New York Hospital. Drs. Farr, Weeden and Murray. (Clinical course in fractures of upper extremity, minor surgery, "accident" surgery, and care and treatment of post-operative wounds). Length of course 4 weeks. Time:—Tuesday, Thursday and Saturday, 9 to 12. 8 students.
- V. Surgical Diseases in Children. St. Mary's Hospital. Dr. Farr. Mondays, 9 to 12. One month periods. 4 students.
- VI. Surgical Diseases of the Breast. Dr. Lee. Monday 9-12, follow-up clinic; Tuesday 10:30-1:00, diagnosis or post operative care; Thursday 10:00-12:30, weekly general conference; Friday 10:30-1:00, breast pathology; Saturday 8:30-11:30, operative breast clinic. At the Memorial Hospital. Students are expected to spend Wednesday in the study of literature outlined for them upon diseases of the breast. 1 month periods. 2 students.
- VII. Surgical Diagnosis and Minor Surgery. Dr. Taylor. Daily except Saturday, 1:30-4:00 P.M. and Tuesday and Friday, 5:00-7:00 P.M. 1 month periods. 3 students.
- VIII. Experimental Surgery. Pathological Department, Bellevue Hospital. Dr. Coryllos. The course covers animal operative demonstrations on Anaesthesia; Various types of wound healing; grafting, etc.; blood vessel surgery and transfusion; surgical conditions of bones and joints; elementary, thoracic, and abdominal surgery; infectious

FOURTH YEAR ELECTIVES

processes in various tissues, organs, and body cavities. Daily 9:00 A.M. to 1:00 P.M. 1 month periods. 8 students.

Ob. OBSTETRICS.

- I. Clinical Clerkship in Obstetrics. Drs. Bailey and Williamson. Berwind Maternity Clinic and Bellevue Hospital. 1 month periods. Full time. 9 A.M.-5 P.M. 16 students. (See page 54 for description.

Pt. PATHOLOGY.

- I. Tumor Diagnosis. Dr. Ewing. 2 months, 5 days; 1-5 P.M. daily, except Saturdays. 5 students.
- II. Pathological Thesis. Dr. Ewing. 2 months. All day, except Saturday. Saturdays, 9 A.M.-12 M. 5 students.
- III. Gynecological Pathology. Dr. L'Esperance. 1 month. Monday, Wednesday, Friday, 3 to 5 P.M.
- IV. Neuropathology. Dr. Stevenson. 2 months. Daily except Saturday 1 to 5 P.M. 2 students.

B. BACTERIOLOGY.

- I. Experimental Laboratory Course in General and Applied Immunology. See Bacteriology, II B, page 43. Dr. Coca.

Note—Since definite assignments cannot be made until the number of applicants is known, students desiring to take this course are requested to apply to the Secretary's Office not later than February first. This will enable the department to consider preferences and make assignments which will not interfere with other electives the student may desire to take.

II. Clinical Course in Human Hypersensitiveness.

(Asthma, hay-fever, urticaria, angio-neurotic edema, food and drug idiosyncrasies). At the New York Hospital. Dr. Cooke.

- (1) Technique of the cutaneous test.
- (2) Interpretation of the local reaction.
- (3) History taking in atopic cases.
- (4) Diagnosis and Treatment.

Note—This course is given twice weekly in the evening, only in conjunction with the Experimental Laboratory Course in General and Applied Immunology.

N. NEUROLOGY.

COURSES IN NEURO-PSYCHIATRY AND NEURO-ANATOMY. ONE-MONTH PERIODS.

- I. Neurology: clinics at Cornell Dispensary Monday, Tuesday, Thursday, 1 to 3 P.M.
- II. Neurology: Bellevue Hospital, three days weekly, 11 A.M. to 12 M., end every afternoon in the Neurological Wards.
- III. Neurological Clinic. Neurological Institute. One day, 2-5 P.M. Dr. Stephenson.
- IV. Psychiatry, 10 A.M. to 12 M., Cornell Dispensary; Ward Work in Psychiatry, three forenoons, at Ward's Island; Dr. Kirby.
- V. Neuro-Anatomy. Three days. 9 to 11 A.M. Dr. Stockard. This course will be held for one week out of the four. Students will be provided with a specimen brain for dissection.

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Students who desire more Neurology and less Psychiatry, can make arrangements with the teachers, and the same may be done for those who desire to emphasize Psychiatry.

Students can take such parts of this course as they choose, except that it is imperative that they take at least the afternoon course at the College Clinic.

Ps. PSYCHIATRY.

- I. Clinical psychiatry, with special reference to incipient and border line cases in relation to general practice. Dr. Brown and assistants. For groups of 6 students at the College Dispensary 3 forenoons a week, Monday, Wednesday and Friday, 9 to 11 A.M. for 1 month.
- II. Clinical psychiatry, examination of hospital cases with opportunity to study different types of psychoses. Drs. Kirby and Bunker and Lewin. For 6 students, at the Psychiatric Institute. Ward's Island, 3 forenoons a week, Monday, Wednesday and Friday, for 1 month.

Pd. PEDIATRICS.

- I. Clinical Pediatrics. Drs. Schloss, Schroeder, Sammis and Hoag. New York Nursery and Child's Hospital daily 9 A.M. to 5 P.M. for periods of 1 month. Limited to 3 or 4 students.
 - II. Clinical Pediatrics. Dr. Stimson.
 - Part 1. (a). Cornell Clinic, Wednesdays 9:30-11:00 and Fridays 9:30-12:30. (Mondays 1:30-4:00 may be added if desired.) Malnutrition in older children. Unusual conditions for diagnosis and treatment.
 - Part 1. (b). Willard Parker Hospital, Tuesdays 1:30-3:30 and Thursdays 1:30-3:30. The students will assist in the work of the third year clinics.
 - Part 2. New York Nursery and Child's Hospital Out Patient Department Tuesdays, Thursdays, and Saturdays, from 10:00-12:30. Feeding cases.
- Part 1 and 2 may be taken separately, but preference will be given to students electing both parts. 1 or 2 students, for periods of one month.

G. GYNECOLOGY.

- I. Clinical Gynecology. Dr. Ward. Woman's Hospital. 1 month periods. Daily, as scheduled below. Work conducted in Wards, Operating Room, Laboratory and O. P. D. Preparation of a thesis or special research problem. 4 selected students.

A. FIRST TWO WEEKS.

Monday.

- | | |
|-------------------------|------------------------|
| 9-12. Operative Clinic. | 2-4. Operative Clinic. |
| 12- 1. Study. | 4-5. Pathological Lab. |

Tuesday.

- | | |
|---------------------------|------------------------|
| 9-11. Pathological Lab. | 2-5. Operative Clinic. |
| 11-12:20. Cystos. Clinic. | |

FOURTH YEAR ELECTIVES

Wednesday.

- | | |
|-------------------|------------------------|
| 9-10. O. P. D. | 2-4. O. P. D. |
| 10-11. Follow-up. | 4-5. Pathological Lab. |
| 11- 1. Study. | |

Thursday.

- | | |
|---------------------------|-------------------------------|
| 9-11. Pathological Lab. | 2-4. Operative Clinic. |
| 11-12:30. Cystos. Clinic. | 4-5. Pathological Lab. |
| | 5 Conference, Surgical Staff. |

Friday.

- | | |
|-------------------------|------------------------|
| 9-11. Operative Clinic. | 2-5. Operative Clinic. |
| 11-12. Conference. | |
| 12- 1. Study. | |

Saturday.

- | | |
|----------------|---------------|
| 9-11. O. P. D. | 2-3. O. P. D. |
| 11- 1. Study. | |

B. SECOND TWO WEEKS.

Monday.

- | | |
|-------------|------------------------|
| 9-1. Wards. | 2-4. Operative Clinic. |
| | 4-5. Pathological Lab. |

Tuesday.

- | | |
|-------------|------------------------|
| 9-1. Wards. | 2-5. Operative Clinic. |
|-------------|------------------------|

Wednesday.

- | | |
|-------------|------------------------|
| 9-1. Wards. | 2-4. O. P. D. |
| | 4-5. Pathological Lab. |

Thursday.

- | | |
|-------------|-------------------------------|
| 9-1. Wards. | 2-4. Operative Clinic. |
| | 4-5. Pathological Lab. |
| | 5 Conference, Surgical Staff. |

Friday.

- | | |
|--------------------|------------------------|
| 9-10. Wards. | 2-5. Operative Clinic. |
| 10-11. Conference. | |
| 11- 1. Study. | |

Saturday.

- | | |
|--|---------------|
| 9-1. Wards. | 2-3. O. P. D. |
| II. Clinical Gynecology. Dr. McGrath, Cornell Clinic. 1 month periods. | |
| Daily, 1-4 P.M. 3 students. | |

D. DERMATOLOGY.

- I. Clinical Dermatology and Salvarsan Administration. Drs. Schwartz, Levin and Gilmour. 1 month periods. Daily, 1-4 P.M. 6 students.

L. LARYNGOLOGY.

- I. Clinical Courses in Laryngology and Rhinology. Drs. Montgomery and Palmer. 1 month periods. Mondays, Tuesdays and Fridays. 1-4 P.M. College Dispensary. 2 students.

Op. OPHTHALMOLOGY.

- I. Operative Ophthalmology. Dr. Reese. N. Y. Eye and Ear Infirmary. 1 month periods. Mondays, 2-6 P.M. 20 students.

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- II. Ophthalmoscopy and Refraction. Dr. Drake. N. Y. Eye and Ear Infirmary. Wednesdays and Fridays, 2-4 P.M. 1 month periods. 6 students.
- III. Ophthalmoscopy and Refraction. Dr. Samuels. N. Y. Eye and Ear Infirmary. 1 month periods. Mondays and Wednesdays. 2-4 P.M. 6 students.
- IV. Ophthalmoscopy and Refraction. Dr. Vandegrift. Cornell Dispensary. 1 month periods. Mondays, Wednesdays, and Fridays. 2-4 P.M. 6 students.
- V. Operative Ophthalmology. Dr. Samuels. N. Y. Eye and Ear Infirmary. 1 month periods. Fridays, 2-4 P.M. 20 students.
- VI. Ophthalmoscopy and Refraction. N. Y. Eye and Ear Infirmary. 1 month periods. Mondays and Fridays, 2-4 P.M.
- VII. Ophthalmoscopy. Dr. Kelly. N. Y. Eye and Ear Infirmary. 6 weeks periods. Wednesday and Friday, 2-4 P.M. 10 students.
- VIII. Operative Ophthalmology. Dr. Kelly. N. Y. Eye and Ear Infirmary. 1 month periods. Mondays, 2-6 P.M. 20 students.
- IX. Clinical Ophthalmology. Dr. Samuels, Cornell Clinic. Tuesdays and Thursdays, 1-4 P.M. 6 students.

Ot. OTOTOLOGY.

- I. Otology. Dr. Whiting. N. Y. Eye and Ear Infirmary. 1 month periods. Mondays, Wednesdays and Fridays, 2-3 P.M. 5 students.
- II. Otology. Dr. McAuliffe. College Clinic. 1 month periods. Tuesdays and Fridays, 1-4 P.M. 3 students.

Or. ORTHOPEDICS.

- I. The Orthopedic Department of the Hospital for Ruptured and Crippled on Tuesdays, Thursdays and Saturdays, from 1-3, by Doctors Wallace and Balenzweig. 10-12 students.
- II. The College Clinic. Mondays, Wednesdays and Fridays, 1-4 P.M. 2 students for 1 month periods. Dr. Cilley.

H. HYGIENE.

- I. Laboratory Methods and Procedures. Drs. Torrey and Kahn. Loomis Laboratory. Daily, 1 to 5 P.M., for 2 months. 2 students.

U. UROLOGY.

- I. Minor Urology. Dr. Wilson, College Clinic. 1 month periods. Daily, 1-4 P.M. 8 students.
- II. Major Urology. Drs. Keyes and Jeck. Bellevue Hospital, Ward K4, 8.30 A.M. to 5 P.M., daily. Diagnosis and Treatment of Surgical Urological conditions. 1 month. 6 students.

N.B.—Courses I. and II. may be combined.

- III. Minor Urology and Elementary Cystoscopy. Dr. Wilson, as in Course I. 2 months, April and May. Daily, 2 to 4 P.M. 4 students.
- IV. Diagnosis and Treatment of Neoplasms of the Urinary and Male Genital Tracts. Dr. Barringer. Memorial Hospital. Subject to special arrangement with instructor.

NOTE—In addition to the above, students will often be able to arrange individual work on application to the heads of Departments.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

SCHEDULE OF COURSES

FIRST YEAR—SESSION OF 1924-1925—FIRST TERM

September 30th to December 20th.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	A N A T O M Y					
10						
11						
1	Anatomy (Histology and Embryology)	Chem. L.	Anatomy (Histology and Embryology)	Chem. L.	Anatomy (Histology and Embryology)	
2		Anatomy		Chem. Lab.		
3						
4							Military Science L.
5						

FIRST YEAR—SESSION OF 1924-1925—SECOND TERM

January 5th to March 14th.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Anatomy (Histology and Embryology)				Anatomy (Histology and Embryology)		
10				Anatomy			
11							
1	Anatomy	Chem. L.	Anatomy	Chem. L.	Anatomy		
2		Chem. Lab.		Military Science L.			Chem. Lab.
3							
4							

FIRST YEAR—SESSION 1924-1925—THIRD TERM

March 16th to May 29th.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	Chem. L.	Physiol. L.	Chem. L.	Physiol. L.	Physiol. L.	Physiol. L.
10	Chem. Lab.	Physiol. Lab.	Chem. Lab.	Physiol. Lab.	Chem. R.	Physiol. Lab.
11						
12						
2	Anatomy (Neuro-Anat.)	Physiol. R.	Anatomy (Neuro-Anat.)	Physiol. R.	Anatomy (Neuro-Anat.)	
3						
4		Military Science L.				

Abbreviations.—L., lectures; Lab., laboratory; Rec., recitations; Sec., section (the class being assigned to two or more divisions for certain exercises); B. H., Bellevue Hospital (Second Division); B. H. 4, Bellevue Hospital (Fourth Division); B. M. C., Berwind Maternity Clinic; C. D., College Dispensary; Man. Mat., Manhattan Maternity Hospital; Mem. H., Memorial Hospital; N. C., New York Nursery and Child's Hospital; N. Y., New York Hospital; O. P. I., Bellevue Hospital, Out Patient Department; R. & C., Hospital for the Ruptured and Crippled; St. L., St. Luke's Hospital; St. M., St. Mary's Hospital; W. I., Ward's Island, Manhattan State Hospital; W. P., Willard Parker Hospital.

NOTE—The faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

SECOND YEAR—SESSION OF 1924-1925—FIRST TERM

September 30th to December 20th

	Monday		Tuesday	Wednesday	Thursday	Friday	Saturday						
9	Physiology Lect. †	Anatomy *	Physiology Lect. †	Physiology Lect. †	Physiology † Lect.	Physiology	Surgery Clinic	9					
10	Physiology Lab. †		Pathology Lab	Physiology Lab.†	Anatomy *	Pathological Anatomy	Physiology Lab.†	Pathology Lab.	10				
11													11
12											Surgery Rec.		12
1								1					
2	Physiology Rec. †		Surgery Lect.	Physiology Rec. †		Physiology Seminar †		2					
3	Medicine Clinic N. Y. §		Physical Diagnosis	Medicine Clinic B.H. (Pathological Physiology)		Medicine Lect. (Path. Physiol.)		3					
4			Lect. and Demonstr.					4					
5								5					

* Last three weeks only.

† First nine weeks only.

§ First six weeks only.

SECOND YEAR—SESSION OF 1924-1925—SECOND TERM

January 5th to March 14th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Surgery Lect.	Sections (See Schedule I Page 81)	Pathology Laboratory	Sections (See Schedule I Page 81)	Pathology Laboratory	Sections (See Schedule I Page 81)	9
10	Pathology Laboratory						Pathological Anatomy	Medicine Rec.	10
11		11					
12		12					
1		1					
2	Bacteriology Laboratory						2
3							3
4							4
5							5

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum when advisable and without notice.

SECOND YEAR—SESSION OF 1924-1925—THIRD TERM

March 16th to May 29th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Pharmacology Laboratory	Surgery Clinic St. L.	Pathology Laboratory	Pharmacology Laboratory	Surgery Lect.	Pathology Laboratory	9
10					Pathology Laboratory		10
11	Medicine Clinic B. H.					Pathological Anatomy	11
12							12
1		Dermatology Clinic		Surgery Clinic, B. H.	Urology Lect.		1
2	Sections { Bacteriology { A to E, March 16 to April 25 F to I, March 16 to 21 and Apr. 27 to May 29 College Clinic F to I, March 23 to April 25 A to E, April 27 to May 29	Medicine Rec.		Ophthalmology Clinic			2
3							3
4							4
5							5

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 73.

THIRD YEAR—SESSION OF 1924-1925—FIRST TERM

September 30th to December 20th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Pathology Laboratory	†	Pathology* Laboratory	Medicine Lect. Prof. Conner	Pathology Laboratory	†	9
10				Medicine Rec.			10
11	Medicine Clinic, C. D. Prof. Conner	Clinical Pathology				Obstetrics Lect. Prof. Bailey	11
12						Surgery Rec.	12
1							1
2		Ophthalmology† Clinic Prof. Reese		Laryngology Lect. Prof. Smith	†		
3		Dermatology† Clinic Prof. Schwartz			Orthopedics† Lect. Prof. Wallace		3
4		Obstetrics Rec.			Psychiatry Clinic Prof. Kirby		4
5							5

*Discontinued in 1925. †Hygiene and Pharmacology will not be given 1924-1925. ‡1924-1925 only.

THIRD YEAR—SESSION OF 1924-1925—SECOND TERM

January 5th to March 14th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Surgery Lect. Prof. Gibson	Surgery Sections *	Medicine Lect. Prof. Conner	Pediatrics Clinic, N. & C. Prof. Schloss	†	Urology Clinic B.H. Prof. Keyes	9
10	Pediatric Rec.	St. L.	Medicine Rec.		Obstetrics Rec.		10
11	Operative Surgery	Surgery Sections * Mem. H.	†	Psychiatry Clinic Prof. Kirby	Operative Surgery	Psychiatry Lect. Prof. Kirby	11
12				Surgery Rec.		Surgery Rec.	12
1							1
2	S E C T I O N S (See Schedule III)						2
3							3
4	Roentgenology Lect. Prof. Imboden	Obstetrics Clinic Prof. Bailey	Dermatology Clinic Prof. Schwartz	Otology Lect. or Clinic Prof. Whiting	Neurology Clinic Prof. Dana		4
5							5

*Sections A to E take Surgery the first half term, Pathological Anatomy the second.

Sections F to J take Surgery the second half term, Pathological Anatomy the first. Sections change 9 A.M. Feb. 9, 1925.

†Hygiene will not be given 1924-1925.

For abbreviations see page 73

THIRD YEAR—SESSION OF 1924-1925—THIRD TERM

March 16th to May 29th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Surgery Lect. Prof. Gibson	Psychiatry Clinic, W. I.	†	Pediatrics Clinic, N. C.	Surgery Clinic, N. Y.		9
10	Pediatrics Rec.	Prof. Kirby	Medicine Rec.	Prof. Schloss	Prof. Gibson	†	10
11	Surgery Rec.		Medicine Clinic, C. D. Prof. Conner		Obstetrics Rec.	Psychiatry Lect. Prof. Kirby	11
12					Therapeutics Prof. Goodridge	Surgery Rec.	12
1							1
2	<div>S E C T I O N S</div> <div>(See Schedule III)</div>						2
3							3
4	Roentgenology Lect. Prof. Imboden	Obstetrics Clinic Prof. Bailey			Neurology Lect. Prof. Dana		4
5							5

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

†Hygiene will not be given 1924-1925.

For abbreviations see page 73.

FOURTH YEAR—SESSION OF 1924-1925

September 29th, 1924 to March 28th, 1925.

	Medicine		Surgery		Neurology B. H. Tu. Th. S. 2-5 P.M.	Pediatrics N. C. S. Tu. Th. S. 9 A.M.- 1 P.M.	Orthopedics R. & C. M. W. F. 9 A.M.-12 N.	Obstetrics B. M. C. and Gynecology Wom. Hosp.	Elective† M. W. F. 2-5 P.M.
	N. Y.	B. H.	N. Y.	B. H.					
September 30 to October 25	A	D	F	C	E	E	E	(See opposite page for assignments.)	E
October 27 to November 22	B	E	D	A	F	F	F		F
November 24 to December 20	C	F	E	B	D	D	D		D
January 5 to 31	D	A	C	F	B	B	B		B
February 2 to 28	E	B	A	D	C	C	C		C
March 2 to 28	F	C	B	E	A	A	A		A

†Students desiring electives will first consult the head of department and then register at the Secretary's office four weeks in advance for Elective work on Monday, Wednesday and Friday P.M.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice. For abbreviations see page 73.

FOURTH YEAR SECTIONS in Gynecology and Obstetrics

Session of 1924-1925

	Obstetrics Section, B. M. C. full time*	Gynecology Section Wom. Hosp. 9 A.M.—5 P.M.
September 28th, 1924 to October 11th, 1924....	B ₂	B ₁
October 12th, 1924 to October 25th, 1924....	B ₁	B ₂
October 26th, 1924 to November 8th, 1924....	C ₂	C ₁
November 9th, 1924 to November 22d, 1924....	C ₁	C ₂
November 23d, 1924 to December 6th, 1924....	A ₂	A ₁
December 7th, 1924 to December 20th, 1924....	A ₁	A ₂
December 21st, 1924 to January 3d, 1925....		
January 4th, 1925 to January 17th, 1925....	E ₁	E ₂
January 18th, 1925 to January 31st, 1925....	E ₂	E ₁
February 1st, 1925 to February 14th, 1925....	F ₁	F ₂
February 15th, 1925 to February 28th, 1925....	F ₂	F ₁
March 1st, 1925 to March 14th, 1925....	D ₁	D ₂
March 15th, 1925 to April 4th, 1925....	D ₂	D ₁

*Students report at 9 A.M. on the first day of each assignment.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 73.

FOURTH YEAR—SESSION OF 1924-1925

March 30th to May 23d, 1924.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	<p style="text-align: center;">ELECTIVES</p> <p style="text-align: center;">Students will register their courses at the College office on or before March 1st</p> <p>(No course can be dropped without written permission from heads of all departments concerned, and the Dean.)</p> <p>Students will take work in Pathological Anatomy (Autopsies) as posted on Bulletin Board.</p> <p>Abbreviations.—L., lectures; Lab., laboratory; Rec., recitations; Sec., section (the class being assigned to two or more divisions for certain exercises); B. H., Bellevue Hospital (Second Division); B. H. 4, Bellevue Hospital (Fourth Division); B. M. C., Berwind Maternity Clinic; C. D., College Dispensary; Man. Mat., Manhattan Maternity Hospital; Mem. H., Memorial Hospital; N. C., New York Nursery and Child's Hospital; N. Y., New York Hospital; O. P. D., Bellevue Hospital, Out Patient Department; R. & C., Hospital for the Ruptured and Crippled; St. L., St. Luke's Hospital; St. M., St. Mary's Hospital; W. I., Ward's Island, Manhattan State Hospital; W. P., Willard Parker Hospital.</p> <p>NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.</p>					
10						
11						
12						
1						
2						
3						
4						
5						

DETAIL SCHEDULE

OF SECOND AND THIRD YEARS

SECTION CLASSES

SESSION OF 1924-1925

NOTE—Section periods in each instance include both dates. Sections are designated by letters; a figure following indicates a half section.

SECOND YEAR—Section Schedule No. I.

"Hospital Sections"	Jan. 5-20	Jan. 22—Feb. 5	Feb. 7-26	Feb. 28—Mar. 14
Surgery, 9-10.30 A.M. Tues. & Sat., B.H.; Thur., St.M.	A B C ₁	C ₂ D E	F G H ₁	H ₂ I J
Medicine, 9-11 A.M. Tues., Thur. & Sat., B.H.	C ₂ D E	F G H ₁	H ₂ I J	A B C ₁
Medicine, 9-11 A.M. Tues., Thur. & Sat., N. Y.	F G H ₁	H ₂ I J	A B C ₁	C ₂ D E
Medicine, 9-11 A.M. Tues., Thur. & Sat., B.H. IV	H ₂ I J	A B C ₁	C ₂ D E	F G H ₁

SECOND YEAR—Section Schedule No. II

"Cornell Clinic Sections"	Monday 2.30-4.30 P.M.	Tuesday 2—4 P.M.	Wednesday 2—4 P.M.	Thursday 2—4 P.M.	Friday 2—4 P.M.
Dermatology	March 23—April 25	F	G	H	I
	April 27—May 29	A	B	C	D
Laryngology	March 23—April 25	J	F	G	H
	April 27—May 29	E	A	B	C
Urology	March 23—April 25	I	J	F	G
	April 27—May 29	D	E	A	B
Ophthalmology	March 23—April 25		H-I	F-J	G
	April 27—May 29		C-D	A-E	B
Roentgenology	March 23—April 25	G-H		I-J	F
	April 27—May 29	B-C		D-E	A

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

SECTION SCHEDULE III

THIRD YEAR—SECOND AND THIRD TERMS

January 5th to May 29, 1925

Term II, Jan. 5—Mar. 14						Term III, Mar. 16—May 29				
	Mon.	Tues.	Wed.	Thurs.	Fri.	Mon.	Tues.	Wed.	Thurs.	Fri.
Medicine, C.D., 2-4 P.M.	A	B	C	D	E	F	G	H	I	J
Dermatology, C.D., 2-3 P.M.	B	C	D	E	A	G	H	I	J	F
Laryngology, C.D., 3-4 P.M.	B	C	D	E	A	G	H	I	J	F
Pediatrics N.C., 1.30-3.30 P.M.	C	D	E	A	B	H	I	J	F	G
Obstetrics, (Manikin Sec.) 3-4 P.M.	D J		A		C G	I E		F		H B
Gynecology, C.D., 2-4 P.M.*	E ₁ E ₂	A ₁ A ₂	B ₁ B ₂	C ₁ C ₂	D ₁ D ₂	J ₁ J ₂	F ₁ F ₂	G ₁ G ₂	H ₁ H ₂	I ₁ I ₂
Orthopedics, C.D., 2-4 P.M.*	E ₂ E ₁	A ₂ A ₁	B ₂ B ₁	C ₂ C ₁	D ₂ D ₁	J ₂ J ₁	F ₂ F ₁	G ₂ G ₁	H ₂ H ₁	I ₂ I ₁
Otology, C.D., 2-3 P.M. (5 time only, beginning, Feb. 9 and April 20.	I	J	F	G	H	D	E	A	B	C
Obstetrics, B. H. (or Man. Mat.)† 2-4 P.M.	G H		I J		F	B C		D E		A
Pediatrics, W. P. 1.45 to 3.45 P.M.‡		G H F ₁		I J F ₂			B C A ₁		D E A ₂	
Roentgenology, 1-2 P.M.	I J F ₁		F ₂ G H			D E A ₁		A ₂ B C		

*Each half section takes 5 weeks only—Sections change at 9 A.M., Feb. 9 and April 20, 1925.

†Two sections at one time on Mondays and Wednesdays.

‡Two and one-half sections at one time.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 73.

EXAMINATIONS AND ADVANCEMENT IN COURSE.

I. Advancement.—Students are advanced in course from one year to the next upon recommendation by heads of departments after examination in the work of that year, but examinations in major or minor subjects may, at the discretion of the Head of the Department, include all the work previously covered in the year or years preceding the examinations in question. There is, however, no unnecessary repetition of subjects taught from year to year.

II. Examinations.—Examinations for advancement in course, graduation and admission to advanced standing are held at the close of the year, except that in each course extending through a part of the year only, the examination may be held at the close of the course.

A grade of 75 per cent. is required to pass; a student failing to pass is either conditioned or dropped (see subjects of examinations, etc., pages 83 to 84).

A conditioned student may be re-examined in September.

A student who fails to pass all of his conditions in September shall not be allowed to register in the succeeding year of the curriculum, but shall be required to repeat the year.

A dropped student shall not be re-examined nor shall he be re-admitted to this College.

III. Record of Grades.—At the completion of a final examination at the end of a course the grades of each student are to be promptly compiled and submitted by the examiner to the College office for record by the Secretary, and grades once recorded are not subject to change except in accordance with the rules governing re-examination (See II.).

IV. Final Examinations.—Annual examinations are held at the end of a course, or coincident group of courses, in the hours allotted to said courses, or during the last week of the session, at the discretion of the head of the department, who will give notice of the date of examination through the office of the Secretary. All such final examinations are conducted under the direction of the head of the Department.

V. Major and Minor Courses.—Major courses are those fundamental courses in which a student completes his work in a given department or subject. Minor courses comprise the shorter laboratory and didactic courses.

Subjects of Examination for Completion of the First Year.

Major Subjects—*Anatomy.

Physiology.

*Organic Chemistry (including laboratory work).

*Histology and Embryology.

Physiological Chemistry.

Minor Subjects—*Neuro-Anatomy.

Military Science.

CORNELL UNIVERSITY MEDICAL COLLEGE

Conditions allowed: 1 Major and 1 Minor; or 2 Minor subjects.

NOTE—All conditions must be successfully passed before entrance into the next succeeding year will be allowed.

Subjects of Examination for Completion of the Second Year.

Major Subjects—*Physiology.

Pharmacology and Materia Medica.

Pathology.

*Bacteriology.

Minor Subjects—Medicine.

Surgery.

Obstetrics.

*Anatomy.

*Nutrition.

Hygiene.

Conditions allowed: 1 Major and 1 Minor; or 2 Minor subjects.
(See note above.)

Subjects of Examination for Completion of the Third Year.

Major Subjects—*Pathology.

*Obstetrics.

Minor Subjects—Medicine.

Surgery.

Therapeutics.

*Clinical Pathology.

Pediatrics.

Neurology.

*Applied Anatomy.

*Pathological Anatomy.

*Urology.

*Otology.

Ophthalmology.

*Laryngology and Rhinology.

*Dermatology.

Psychiatry.

Conditions allowed: 1 Major and 1 Minor; or 2 Minors.
(See note above.)

Subjects of Examination for Completion of the Fourth Year and Graduation.

Major Subjects—Medicine.

Surgery.

Pediatrics.

Minor Subjects—Neurology.

Orthopedic Surgery.

Gynecology.

Conditions allowed:—

*In the subjects thus marked the examination is given at the end of the course, under the direction of the head of the department. In other subjects the final examination is at the end of the year.

EXAMINATIONS AND ADVANCEMENT IN COURSE

If any student fails to pass in not more than one major, or in two minor subjects, a re-examination in those subjects may be allowed, and if the candidate is then successful the degree may be conferred.

If the candidate fails to pass in any subject at this second examination, the work of the fourth year must be repeated.

The examinations in the major subjects are allowed three hours and in the minor subjects two hours each.

REQUIREMENTS FOR GRADUATION.

1. Candidates for the degree of doctor of medicine must have studied medicine for four full years in an accredited medical college, and the fourth year at least must have been spent in the Cornell University Medical College.

2. Candidates must present satisfactory evidence of good moral character and of being not less than twenty-one years of age.

3. Candidates must file with the Secretary of the Faculty satisfactory evidence of having complied with the entrance requirements (see page 26), together with the requisite legal medical student certificate.

NOTE—This certificate is issued by the Department of Education of the State of New York on presentation of required credits and a diploma from a recognized College or University or properly attested certificate showing that such a diploma has been granted, together with a fee of one dollar. If the student so requests, the Secretary of the Faculty may forward such diploma or certificate to the Department of Education of the State of New York with a request for the legal student certificate.

4. Candidates must have dissected at least one lateral half of the cadaver. They must, further, have taken the regular course of two weeks in practical obstetrics, and a certificate* covering this course must be filed at the Secretary's office before registration for the final examinations, which begin about the last week of May.

5. In addition to the yearly examinations above specified for advancement in course, candidates must pass during the fourth year examinations in medicine, surgery, pediatrics, and the minor subjects which are specified above.

6. Candidates rejected at the final examination will not be re-examined until after having repeated the fourth year of study.

Before being readmitted to the fourth year the candidate may be required to pass a satisfactory examination in anatomy, physiology, chemistry, and the major subjects of the preceding years.

7. The degree will not be conferred upon any candidate who absents himself from the public Commencement without the special permission of the Faculty.

8. The Faculty reserves the right to terminate the connection of any student with the institution *at any time* on the ground of what they may deem moral or mental unfitness for the profession, or improper conduct while connected with the College.

*This certificate must set forth the number of obstetrical cases personally attended by the student.

CORNELL UNIVERSITY MEDICAL COLLEGE

DIPLOMAS OF LICENTIATE OF THE ROYAL COLLEGE OF PHYSICIANS OF LONDON AND MEMBERSHIP OF THE ROYAL COLLEGE OF SURGEONS OF ENGLAND.

Graduates of the Cornell University Medical College are admitted to the final examinations for diploma of Licentiate of the Royal College of Physicians of London and Membership of the Royal College of Surgeons of England, upon presenting proper certificates that certain conditions applicable to the foreign universities and colleges, which are recognized by the examining board, have been complied with.

Further information may be obtained from the Secretary of the Board (Mr. F. G. Hallet) at the Examination Hall, Queen's Square, Bloomsbury, London, W. C.

Prizes.

I. For general efficiency.

In commemoration of John Metcalfe Polk, an Instructor in this College, who was graduated from the Medical Department of Cornell University on June 7, 1899, and died on March 29, 1904, an annual prize of \$500 will be presented at each Commencement to the members of the Graduating Class who have pursued the full course of study in Cornell University Medical College.

This prize will be awarded as follows:

To the student having the highest standing	\$300
To the student having the second highest standing	125
To the student having the third highest standing	75

II. For efficiency in Gynecology.

In memory of William M. Polk, M.D., LL.D., Dean and Professor of Gynecology in Cornell University Medical College from its establishment in 1898 until his death, June 23, 1918, an annual prize, established by Mrs. Polk, of \$200, to the two members of the Senior Class in order of merit, for obtaining especial distinction in the Department of Gynecology.

This prize will be awarded as follows:

To the student attaining the highest distinction	\$125
To the student attaining the next highest distinction	75

III. For efficiency in Otology.

Two prizes, the first of \$50, the second of \$25, are offered by Professor Whiting to the two students of the graduating class to be designated by him who make the best records in the practical and theoretical work in Otology.

Scholarship.

- I. The John Metcalf Polk Scholarship, a gift under the will of William Mecklenberg Polk, former Dean, to be expended as a Scholarship in the Medical College. The income amounts to two hundred and fifty dollars (\$250) annually.

Hospital Appointments.—Members of the graduating class of Cornell University Medical College are nominated for appointment to the staff of internes in the Cornell division of Bellevue and the New York and in the Memorial Hospitals in accordance with the following general plan:

1. The list of available positions having been posted, members of the graduating class make application for such services as they desire, naming not less than two choices, and agreeing to accept the position if offered.

EXAMINATIONS AND ADVANCEMENT IN COURSE

2. A committee of the faculty determine the appointments from the list of candidates, basing the determination upon—

- a. The student's standing during his first three years in Medical College:
- b. The quality of his work in the hospital ward:
- c. Personality and general fitness for the position desired.

The nominations thus made are subject to confirmation by the faculty of the Medical College and by the hospital. The faculty expressly reserve the right to alter the method of appointment in any or all particulars, at any time, and without notice.

The students and graduates of the Cornell University Medical College are also expected to compete for positions on the resident staff of the other hospitals of the city.

Some of these hospitals are: The City, Harlem, Gouverneur, Roosevelt, Fordham, St. Luke's, St. Vincent's, St. Francis', Mount Sinai, Lenox Hill, Lebanon, Lincoln, New York Eye and Ear Infirmary, and the many hospitals in Brooklyn, Jersey City, Newark, Paterson, etc.

The requirements, the times of examination, and the period of service differ. The details can be learned by application, written or in person, to the superintendents or to the secretaries of the medical boards of the various hospitals.

A record of the hospital appointments received by the graduating class is shown in the list of Graduates at the end of the Announcement.

The Alpha Omega Alpha, an honorary medical society, has maintained a chapter in this College since 1910. The members are elected by the membership of the society on nomination from the College Office. Nominations include only those who have for three years made a scholarship average of not less than 85 per cent. Popularity and fitness for medical work are considered by the members in selecting from this list. Not more than one-sixth of each class is eligible for election. The membership from the Class of 1925 is as follows:

Theodore Dunham	Frances Vosburgh
Raymond Hitchcock	Marie Gregory
Virginia Travell	William C. Douglas
Alfred Michaelis	

The Vesalian Society is a students' organization which arose from a series of Anatomical Journal Clubs started about 1910. The Anatomical Journal Club has been confined to the first year class and the Vesalian Society became the means of continuing the consideration of scientific literature by a group of interested students in the upper classes. The Society now maintains a Journal Club in each College class, with admittance to membership on the basis of effective scholarship. In addition to the class meetings there are meetings open to the public which are addressed by undergraduates and by invited guests. The purpose of the Society is to stimulate an active interest in the broader aspects of the medical sciences, to promote a fraternal spirit in and between the College classes, and to promote co-operation between undergraduates and alumni.

CORNELL UNIVERSITY MEDICAL COLLEGE

COURSES FOR GRADUATES.

For some years special courses have been offered in several of the departments, and they have been, from time to time, pursued by graduates in medicine, teachers and advanced students and research workers in the medical sciences. For the benefit of such applicants these courses have been compiled, and are listed below under the several departments by which they are offered. For a list of the teaching staff the reader is referred to the detailed statement of the several departments contained in pages 33 to 66 of this announcement.

The courses offered below with the exceptions indicated are minor courses continuing six to eight weeks. Several departments are equipped to offer co-ordinated work extending over longer periods, and such courses can be arranged for the student by consultation with the head of the department.

In general it is recommended that students applying for admission to graduate courses so far as possible arrange to take consecutive work for a period of at least one College session. Such courses will be under the immediate supervision of an instructor from the department in which the greater portion of the student's work is performed.

The faculty reserve the right to limit the number of applicants received and to alter or withdraw courses at any time without notice.

ADMISSION.

Graduates in Medicine, Arts or Science, from approved colleges, who desire to pursue courses not leading to a degree, are admitted to registration as graduate students, after approval by the head of the department. Such courses do not count in any way as a part of the four years' course required of candidates for the degree of doctor in medicine. All students or other workers pursuing courses indicated below are required to register at the office of the Secretary.

FEES.

Graduate students are admitted to any of the courses of instruction offered on the payment of a registration fee of ten dollars, an administration fee of five dollars and the tuition fee assigned to the course (see below). Those who have been previously registered as students in the Cornell University Medical College are not required to pay the registration fee.

In the courses outlined below, those marked with an * may be begun at any time during the session.

ANATOMY.

1. Embryology.—Terms I and II. September to March. Fee \$25. Details on page 33.

2.* Histological Technic.—Laboratory at least three hours daily and conferences with instructors. Fee \$25.

COURSES FOR GRADUATES

3 and 4. General Histology, Microscopical Anatomy.—Terms I and II. September to March. Details on page 33. Fee \$50.

5.* Dissection.—See Courses I-V, page 34. Fee \$25 per term (ten weeks); or for the entire dissection, \$50.

6.* Neuro-Anatomy.—Term III. March to May. Details on page 34. Fee \$25.

7.* Anatomical Research.—Subject to special arrangement with head of department.

PHYSIOLOGY.

1. Physiology.—Begins with Term III in March and continues in Term I of the following session. Details on page 37. Fee \$50.

2.* Physiological Research.—Subject to special arrangement with head of department.

CHEMISTRY.

1.* Advanced Physical and Physiological Chemistry.—Duration 10 weeks. Fee \$25.

2.* Chemical Pathology.—Duration 10 weeks. Fee \$25.

3.* Detection and Estimation of Poisons.—Duration 10 weeks. Fee \$25.

4.* Research Work in Physiological Chemistry, Chemical Pathology, or Toxicology.

Note.—Courses in this department are subject to special arrangement with head of department. Special students in this department must present satisfactory evidence of preliminary training in inorganic chemistry with laboratory work as outlined on page 26.

PHARMACOLOGY.

1.* Laboratory Pharmacology, under supervision and including conferences with instructor. Fee \$25.

2.* Research Work in Pharmacology.

MEDICINE.

1. Applied Immunology. (See Bacteriology.)

2. Advanced Course in Metabolism Methods. (See page 67).

CLINICAL PATHOLOGY.

1. Laboratory Diagnosis.—Elementary and advanced instruction is offered in all the tests commonly performed in a clinical laboratory. The time the course is given and the fee are to be arranged with Professor Thro.

2. Wassermann and gonococcus complement fixation.
Professor Thro. Fee \$50.

CORNELL UNIVERSITY MEDICAL COLLEGE

SURGERY.

1. **Clinical Clerkship.**—Bellevue Hospital Second Surgical Division. Graduates in Medicine may avail themselves of a course or courses as outlined under Clinical Clerkships on page 44. One month, full time. Fee \$100.

2.* **Operative Surgery on the Cadaver.**—(Offered only to graduates in medicine.)

Course of	5 operations	.....	\$20.00
"	" 10	"	30.00
"	" 20	"	40.00
"	" 40	"	60.00
"	" 80	"	90.00
"	" 100	"	100.00

3. **Operative Surgery.**—Regular undergraduate course, in third term only begins with Term III in March. Fee \$25.

PATHOLOGY.

1.* **Pathological Anatomy and Autopsy Technics.**—First trimester.

2. **Neuro-pathology.**—Offered only in May.

1. **Applied Immunology.** Drs. Coca and Cooke. Clinical work at the New York Hospital with the collaboration of the Department of Medicine. Laboratory Course at the New York Hospital: the entire month of June, five mornings and four afternoons a week. Fee \$205.

The laboratory course includes: the demonstration of the principal phenomena of anaphylaxis in the guinea pig and the rabbit, with a discussion of the relation of anaphylaxis to human hypersensitiveness; the methods of preparing and standardizing the fluid extracts and solutions used in the diagnosis and treatment of asthma and hay fever; and the methods of collecting and preserving pollens that are the excitants of seasonal hay fever and asthma.

Any of the clinical applications of immunological principles (such as blood matching, the Schick and Dick tests, the forensic identification of human blood) will be demonstrated on request. Graduate students have access to the laboratory at any time during the day.

The clinical course consists of demonstrations in the Dispensary of the New York Hospital, at the asthma and hay fever clinic, four afternoons weekly. Each individual has ample opportunity to become thoroughly acquainted with the methods of diagnosis and treatment of these and allied conditions.

Applications for this course should be made before May 1st.

NEUROLOGY.

1. **Neuro-anatomy and Neuro-pathology.**—See Departments of Anatomy and Pathology. The student must present satisfactory evidence of an adequate knowledge of general histology. Fee \$25 in each department.

COURSES FOR GRADUATES

3.* **Clinical Neurology.**—Includes study of ambulatory and ward cases, with medical and electrical therapeutics. Two hours daily for two months. Should be preceded by Courses 1 or its equivalent. Fee \$50.

4.* **Psycho-therapeutics.**—Twice weekly for eight weeks. Should be preceded or taken in conjunction with Course 3. Fee \$25.

DERMATOLOGY.

1.* **Clinical Dermatology.**—Ambulatory cases. Thrice weekly for six weeks. 2-3 P.M. Fee \$25.

2.* **Histopathology of the skin and its diseases.** Twice weekly for six weeks. Fee \$25.

LARYNGOLOGY AND RHINOLOGY.

1.* **Clinical Laryngology.**—Course of 15 lessons on diagnosis and therapeutics, including operative treatment. Fee \$25.

OPHTHALMOLOGY.

1.* **Ophthalmoscopy.** 20 hours. Fee \$25.

2.* **External Diseases of the Eye.** 20 hours. Fee \$25.

3.* **Diseases of the Eye Muscles.** 15 hours. Fee \$20.

4.* **Refraction and Retinoscopy.** 20 hours. Fee \$25.

5.* **Simulation of Amblyopia and Amaurosis.** 5 hours. Fee \$20.

6.* **Clinical Ophthalmology.** Daily 2-3 P.M. Fee per month, \$25.

7.* **Ophthalmic Operation on the Cadaver.** (This course is given in co-operation with the Department of Anatomy). 20 hours. Fee \$50.

8.* **Pathological Histology of the Eye.**—(This course is given in co-operation with the Department of Pathology and must be applied for in advance.) 20 hours. Fee \$25.

9.* **Bacteriology of the Eye.**—(This course is given in co-operation with the Department of Pathology, and must be applied for in advance.) 15 hours. Fee \$20.

CORNELL UNIVERSITY MEDICAL COLLEGE

THE GRADUATE SCHOOL.

The Faculty of the Graduate School has control of graduate work in all departments of Cornell University and exclusive jurisdiction over the granting of all advanced degrees. Certain professors in the scientific departments of the Medical College in New York City offer graduate instruction as an integral part of the Graduate School of Cornell University. Properly qualified students may accordingly enter upon graduate work in New York City under the jurisdiction of professors in these departments and may become candidates for advanced degrees under the same conditions as apply to students in other divisions of the Graduate School. In all cases, such students are required to register each term at the Office of the Dean of the Graduate School, Cornell University, Ithaca, N. Y. A copy of the Announcement of the Graduate School, giving the rules and regulations pertaining to advanced degrees and the list of departments and subjects in which graduate instruction is offered, will be sent on application to the Dean.

Graduates of the following colleges of the University, namely, the College of Arts and Sciences, the Medical College, the College of Architecture, the College of Engineering, and the New York State Colleges of Agriculture and Veterinary Medicine,—or of other institutions in which the requirements for the first degree are substantially equivalent,—are eligible for admission to the Graduate School. In other cases, studies pursued after graduation, and experience gained by professional work or otherwise are taken into consideration in deciding whether the candidate's preparation as a whole is such as to justify his admission to the Graduate School.

Graduate students resident in New York City and working under the direction of members of the Faculty connected with the Cornell Medical College are students in the Graduate School of Cornell University, and as candidates for an advanced degree are subject to all the regulations laid down by the Faculty of the Graduate School. The members of the Medical College who give instruction to graduate students constitute Group F of the Faculty of the Graduate School, and the Chairman of this Group, Professor C. R. Stockard, is a member of the General Committee of this Faculty. Graduate students in New York City are advised to acquaint themselves with the rules and regulations of the Graduate School as set down in the Announcement, and to correspond directly with the Office of the Dean of the Graduate School in Ithaca. Professor Stockard, as Chairman of Group F, will be willing to advise with graduate students in New York in regard to the details of their graduate work and plans for candidacy. Copies of the Announcement and various official forms used by the Graduate School may also be obtained from Professor Stockard.

CORNELL UNIVERSITY MEDICAL COLLEGE

SCHEDULE OF REQUIRED COURSES AND
ALLOTTED HOURS

COURSE	HOURS			
	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Fourth Year</i>
ANATOMY	696	36	60	...
PHYSIOLOGY	165	153	...	...
CHEMISTRY	239	...	...	...
PHARMACOLOGY .....	...	66	44	...
PATHOLOGY .....	...	261	58	...
BACTERIOLOGY .....	...	210	...	...
MEDICINE .....	...	141	187	312
SURGERY .....	...	111	167	312
OBSTETRICS .....	...	...	63	98
GYNECOLOGY .....	...	...	10	102
PEDIATRICS .....	...	...	92	108
NEUROLOGY .....	...	...	21	36
PSYCHIATRY .....	...	...	65	...
UROLOGY .....	...	21	20	...
DERMATOLOGY .....	...	21	22	...
LARYNGOLOGY & RHINOLOGY.....	...	10	32	...
OPHTHALMOLOGY .....	...	31	...	...
OTOLOGY .....	...	...	15	...
ORTHOPEDIC SURGERY .....	...	...	22	36
ROENTGENOLOGY .....	...	10	31	...
HYGIENE .....	...	...	150	...
MILITARY SCIENCE	30	...	...	...
ELECTIVES .....	...	...	...	240
TOTALS	1130	1071	1059	1244

GRAND TOTAL—4504 Hours

CORNELL UNIVERSITY MEDICAL COLLEGE

FACULTY OF MEDICINE AT ITHACA.

LIVINGSTON FARRAND, A.M., M.D., LL.D.,

President.

ABRAM TUCKER KERR, B.S., M.D.,

*Secretary of the Medical College at Ithaca,
Professor of Anatomy.*

SIMON HENRY GAGE, B.S.,

Professor of Histology and Embryology, Emeritus.

BENJAMIN FREEMAN KINGSBURY, PH.D., M.D.,

Professor of Histology and Embryology.

SUTHERLAND SIMPSON, D.SC., M.D., F.R.S. (*Edin.*),

Professor of Physiology.

JAMES BATCHELLOR SUMNER, A.M., PH.D.,

Assistant Professor of Biochemistry.

JAMES WENCELAS PAPEZ, A.B., M.D.,

Assistant Professor of Anatomy and Neurology.

AARON BODANSKY, B.S., PH.D.,

Instructor in Biochemistry.

HOWARD BERNHARDT ADELMANN, A.M., PH.D.

Instructor in Histology and Embryology.

VIOLET GRAHAM, A.M.,

Instructor in Biochemistry.

JOSEPH ALMA DYE, A.B.,

Instructor in Physiology.

LAWRENCE ONIS MORGAN, A.M.,

Instructor in Anatomy.

MARY G. PAYNE, A.B.,

Assistant in Histology and Embryology.

MATTHEW C. PUGSLEY, A.B.,

Instructor in Anatomy.

WILLIAM M. ROGERS, B.S.,

Instructor in Histology and Embryology.

ELROY SHELDON, A.M.,

Assistant in Histology and Embryology.

JOSEPH L. SCHWIND, A.B.,

Assistant in Histology and Embryology.

LLOYD P. GRAY, A.B.,

Assistant in Anatomy.

FRANCES H. BURNS, A.B.,

Assistant in Physiology.

ETHEL D. SIMPSON, A.B.,

Assistant in Physiology.

ITHACA DIVISION

INSTRUCTION AT ITHACA.

DURING THE FIRST YEAR OF THE COURSE.

CALENDAR FOR ITHACA.

First Term, 1925-1926.

- September 23. Wednesday—Academic year begins; matriculation of new students; University scholarship examinations begin.
September 24. Thursday—Matriculation of new students.
September 25. Friday—Registration of matriculated students.
September 28. Monday—Instruction begins in all departments of the University at Ithaca.
December 19. Saturday—Instruction ends at 1 P.M.
January 4. Monday—Instruction resumed at 1 P.M.
January 11. Monday—Founder's Day.
February 3. Wednesday—First term closes.

Second Term.

- February 5&6. Friday and Saturday—Registration for the second term.
February 8. Monday—Instruction begins at 8 A.M.
April 3. Saturday—Instruction ends at 1 P.M. (Spring recess).
April 12. Monday—Instruction resumed at 1 P.M.
June 14. Monday—Commencement.

General Statement.

From its very foundation Cornell University has offered special courses for students preparing for the study of Medicine; first in the Natural History course, and later also in a special two-year Medical Preparatory course. In 1898 the Medical College was established in New York City with a four years' course. At the same time the work of the first year was duplicated at the University in Ithaca, since many of the fundamental scientific subjects of which this part of the course mainly consists were already provided for in the long-established departments of Botany, Zoology, Comparative Anatomy, Physics, Chemistry, Physiology, Histology, Embryology, and Bacteriology. The courses in these departments were modified where necessary and additional courses were added so as to make the work at Ithaca equivalent to the first year in New York City.

Other Colleges of the University.—Among the facilities of the University of special value to the Medical College may be mentioned the museums of Vertebrate and Invertebrate Zoology (including Entomology and Comparative Anatomy), of Agriculture, of Botany, of Geology, and of Veterinary Medicine. The University Library, with its 750,352 volumes and pamphlets, and over 2,000 current periodicals and transactions, is as freely open to medical students as to other University students.

CORNELL UNIVERSITY MEDICAL COLLEGE

Stimson Hall. This is a modern and thoroughly equipped laboratory building erected for the Medical College at Ithaca in 1902. It was made possible through the generosity of the late Dean Sage of Albany and named at his desire Stimson Hall in recognition of the services rendered by Dr. Lewis A. Stimson toward the establishment of the Medical College. The building was especially designed for teaching and research in anatomy, histology, embryology, and physiology. The building is constructed of Ohio sandstone. The general form is that of an E, 157 feet long and 50 feet wide with wings 40 feet square.

In the cellar are the cold-storage, embalming, cremating rooms and store-rooms. In the sub-basement at the west end is a large room for the string galvanometer and the accessory dark rooms.

In the basement are the ventilating and cold-storage machinery, a large lecture room, a recitation room, and an advanced laboratory for biochemistry and histology, besides the lower part of the large amphitheatre. Here also is located the operating room for the department of physiology.

On the first floor are located the coat rooms for men and women, college office, library, reading room, faculty room, and histology and embryology research laboratory, general laboratory for experimental physiology, demonstration and dark room for physiology, and the upper part of the large amphitheatre.

On the second floor is the department of histology and embryology with a large general laboratory, a research laboratory, preparation rooms, and private laboratories for the instructors. Upon this floor also is located the department of Physiology with a large general laboratory for biochemistry, a research laboratory for biochemistry, a research laboratory for experimental physiology, a metabolism room, an incubator room, repair shop and private laboratories for the instructors.

The third floor consists of the general and special dissecting rooms for gross anatomy and neurology, study rooms, and amphitheatre, besides rooms for the instructors.

The attic is utilized for photography, macerating the skeletons, and for storage.

The air in the building is constantly changed by forced ventilation. The lighting is especially good in all the rooms.

In the court behind the building is a house for alcohol and inflammables and provision for experimental animals, including a small animal house. A large animal house is located at some distance from the medical building on the Physiology Field Station.

The VanCleaf Memorial Library. Located in Stimson Hall, this library, endowed by Mr. Mynderse VanCleaf in honor of his brother, Dr. Charles VanCleaf, supplements the extensive facilities of the University Library by a steadily growing collection of reference works and periodicals of importance for the work of instruction and research conducted in Stimson Hall. The library room is lighted by indirect overhead light, and the reading desks are provided with day-lite lamp fixtures.

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Experimental Field Station. A recent and important adjunct to the Department of Physiology is an Experimental Field Station which consists of nine acres situated in the open country about two miles from the Medical College. In this fenced field a barn for the accommodation of large animals such as sheep and goats, and proper houses with runs for small animals have been provided. In such a station animals under observation in feeding and nutrition experiments, for example, may be kept under ideal conditions for long periods of time. Communication between the station and the laboratory is maintained by a motor truck belonging to the department.

The Sarah Manning Sage Research Fund. As a recognition of the importance of the research side of university work, and as a timely and generous gift, there came in 1916 a bequest of \$50,000 by the will of Sarah Manning Sage, widow of Dean Sage, the donor of Stimson Hall. The income of this sum, or in the discretion of the University the principal also, shall be used to promote the advancement of medical science by the prosecution of research in the Cornell University Medical College at Ithaca, in connection with any and all subjects at any time embraced in the curriculum.

CORNELL UNIVERSITY MEDICAL COLLEGE

DEPARTMENTS, METHODS AND FACILITIES.
ANATOMY.

ABRAM T. KERR, B.S., M.D., *Professor.*

JAMES W. PAPEZ, A.B., M.D., *Assistant Professor of Anatomy and Neurology.*

LAWRENCE O. MORGAN, M.A., *Instructor.*

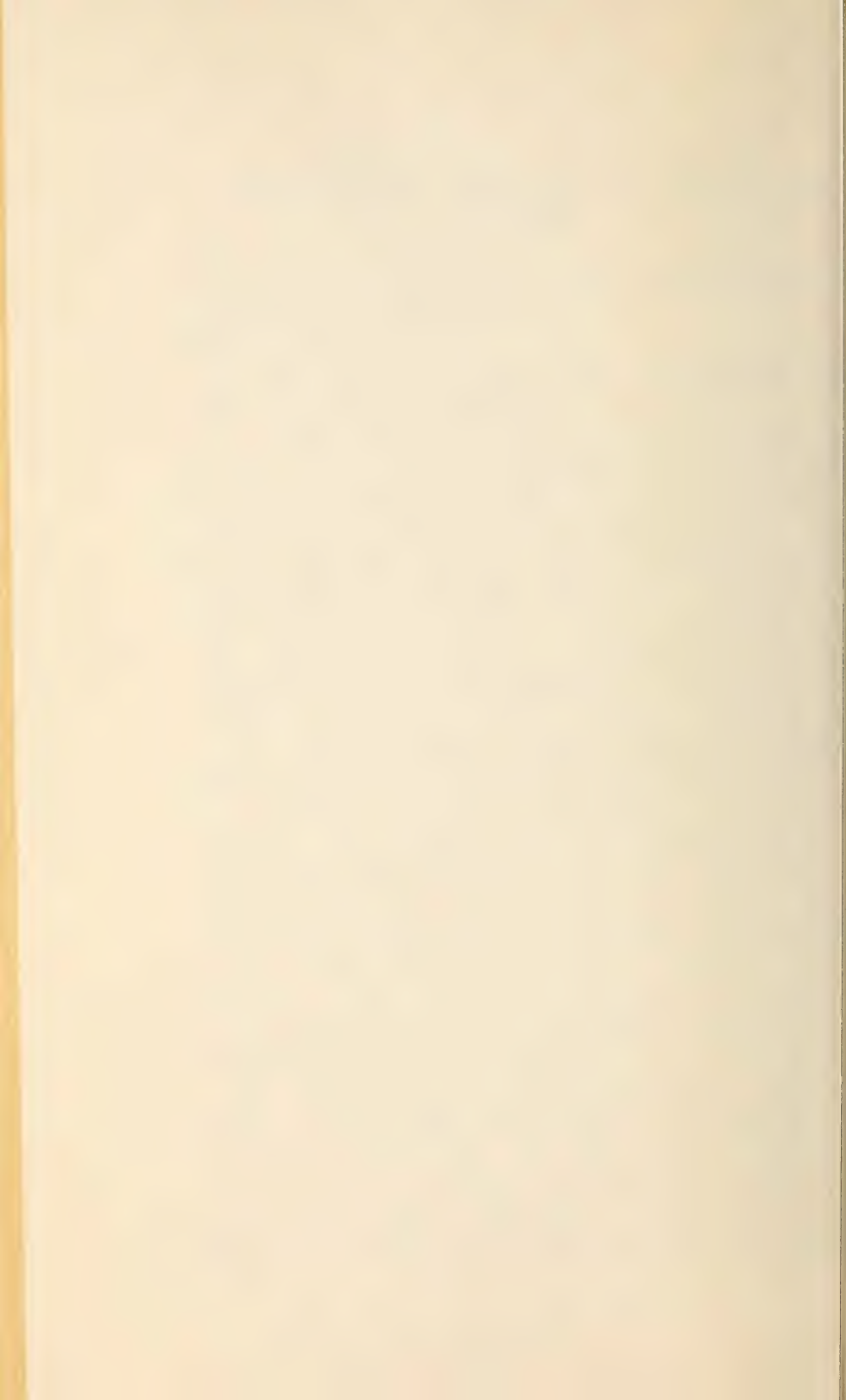
MATHEW C. PUGSLEY, A.B., *Instructor.*

LLOYD P. GRAY, A.B., *Assistant.*

The courses in anatomy are designed to provide a comprehensive and detailed study of the structure of the human body.

The work in gross anatomy is mostly concentrated in the first term of the first year. The laboratory is open from eight to five week days, except Saturday. Twenty-eight hours a week are allowed for the required work in the first term and four hours a week in the second term. Students who have additional hours free may devote more time to the subject. The work consists mainly of dissection followed by recitation on the part dissected. For this work there is an ample supply of dissecting material well embalmed and kept in cold storage ready for use. Each student is required to do a clean and careful dissection of a lateral half of the body. The regional method of dissection is followed. The student is furnished a systematic laboratory outline so arranged where possible that the structures in each region can be studied together as a topographic, functional or surgical area. It is realized that no one method or point of view is sufficient or applicable to every region. The purpose throughout is to make the student find and identify every structure, to appreciate its functional significance, its relations and its peculiar characteristics, to assemble details into general concepts, to visualize and interpret every region and organ. The aim is to direct the student to work methodically, to observe carefully and to think clearly independently. He is encouraged to make careful notes and as many drawings as time permits. Where feasible, he is taught to compare his findings on the cadaver with conditions in the living body. An X-ray outfit in the department makes it possible in many regions to compare the X-ray picture from the cadaver with the findings in the dissection. A complete disarticulated skeleton is loaned to each student so that the bones may be available for study when encountered in course of dissection. In addition the department is well equipped with models, cross sections, and special dissections for study and demonstration. For study of the finer structure of the organs, hand lenses and several binocular dissecting microscopes are provided in the laboratory. A student library containing atlases and some of the more important anatomical monographs is in connection with the laboratory. Besides the usual regional recitation on the dissected part, demonstration conferences are held about three times a week with the class as a whole or with smaller groups. Occasional lectures are given on matters that cannot be made clear by dissection and demonstrations.

The work in the anatomy of the nervous system and sense organs is given during the second term. It consists mainly of laboratory work with frequent conferences and recitations. A topographic study and dissection of the organ or part precedes or accompanies its microscopic study. Special attention



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given to the sense organs, nerves, nuclei, reflex connections, conduction tracts and cortical areas that enter into the formation of the more important functional systems. In connection with each organ or part, its development and comparative morphology is considered. For this work an ample supply of human brains, brains of lower mammals, Weigert sections, and other preparations are available.

The department is well equipped to provide facilities for those properly qualified to undertake advanced and research work. Students with special ability or training are permitted to do more than the required work. Where time permits they are encouraged to do advanced or research work.

1. **Anatomy of the Head and Neck.**—First term. Credit, 4 hours, 25 actual hours a week for 6 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

2. **Anatomy of the Thoracic Walls and Viscera.**—First term. Credit, 1 hour, 25 actual hours a week for 2 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

3. **Anatomy of the Abdominal and Pelvic Walls and Viscera.**—First term. Credit, 4 hours, 25 actual hours a week for 6 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

5. **The Nervous System, Anatomy, Histology, and Development.**—Second term, credit, 3 hours, Assistant Professor Papez. Nine hours a week laboratory with laboratory demonstrations, conferences and recitations. Dissection of the spinal cord and brain. Microscopic structure and development of the nervous system and organs of special sense.

6. **Anatomy of the Living Body.**—First term. Credit, 2 hours, 3 actual hours a week. Professor Kerr. Interpretation of dissecting room material by means of the living body, frozen sections, and special preparations. A review of the work of courses, 1, 2, and 3.

7. **Anatomy of the Upper Extremity.**—First term. Credit, 2 hours, 25 hours a week for 2 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

8. **Anatomy of the Lower Extremity.**—Second term. Credit, 2 hours, 4 hours a week for 16 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

9. **Topographical Anatomy.**—First and second terms. Credit, 2 to 5 hours. Elective. Prerequisite, anatomy courses 1, 2, 3, 7, or 8. The detailed dissection and study of any region. Professor Kerr.

12. **Research in Anatomy.**—First and second terms. Professors Kerr and Papez. Advanced and research work in the laboratories. Open only to those who have taken the necessary preliminary courses, and are properly qualified.

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HISTOLOGY AND EMBRYOLOGY.

BENJAMIN F. KINGSBURY, Ph.D., M.D., *Professor.*

HOWARD B. ADELMAN, A.M., Ph.D., *Instructor.*

WILLIAM M. ROGERS, B.S., *Instructor.*

MARY G. PAYNE, A.B., *Assistant.*

ELROY SHELDON, A.M. *Assistant.*

JOSEPH L. SCHWIND, A.B., *Assistant.*

As indicated by the following courses, this department offers elementary and advanced instruction in the theory and use of the microscope and its accessories, in histology, and embryology; and opportunities for research in all of these subjects.

The material equipment consists of a good supply of modern microscopes, while camera-lucidas, polariscopes, micro-spectroscopes, photo-micrographic cameras, microtomes and other special apparatus such as dark-field illuminators are in sufficient numbers to give each student opportunity for personally learning to use them, and for applying them to any special study in which they are called for. Two projection microscopes are available for class demonstrations and for making the drawings used in reconstruction.

The rooms for the use of the department are on the second floor of Stimson Hall. They are almost perfectly lighted and consist of a large general laboratory, an advanced laboratory, a preparation room, department office, and five private laboratories for the instructing staff, where also special demonstrations of difficult subjects are given to small groups of students.

The collection of material and microscopic series of human embryology, contributed mainly by graduates of the college, is steadily growing. Every encouragement is given for the fullest utilization of the opportunities afforded by the department.

The work of the department consists of practical laboratory work, supplemented by lectures, conferences, and demonstrations. The work required of students of medicine is given in course 10. For those who have already had elsewhere satisfactory work in histology, elective work may be taken in Courses 3, 7, and 8. Courses open to students in the College of Arts and Sciences and Veterinary Medicine are described in the announcements of these colleges.

COURSES REQUIRED OF STUDENTS OF MEDICINE.

10. Histology.—First term. Credit, 8 hours. Professor Kingsbury and assistant. Required of first-year students of medicine. Four laboratory periods and four lectures each week. The work includes (a) The fundamentals of human development; (b) The histology of the tissues and organs (except the nervous system); (c) The main facts of histogenesis and the development of the organs (except the nervous system). It is highly advantageous that the course be preceded by a course in embryology (see Courses of Instruction of the College of Arts and Sciences, Course 4).

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ADVANCED AND ELECTIVE COURSES.

3. **Special Histology and Technique.**—First term. Credit, 2 hours. Instructor Adelmann. One recitation, demonstration, or lecture. Two laboratory periods, M. W. 2-4:30.

In this course a more detailed knowledge of histology and facility in technique is gained by practical work in one or more of the fields of histology or embryology. Designed for those who desire a better working knowledge of histology for use in Biology or Medicine.

7. **Advanced Work in Histology and Embryology.**—First and second terms. Professor Kingsbury and Instructors. Laboratory work, eight or more actual hours a week, with Seminary (Course 8).

This course is designed for those preparing theses for baccalaureate or advanced degrees, and for those wishing to undertake special investigations in histology and embryology.

Course 7 is open to those who have had Courses 10 and 3, or their equivalents. A good reading knowledge of French and German is indispensable for the most successful work in this course. It is suggested that those who intend to take this course confer with the head of the Department as early as possible, so that the work may be planned to the best advantage.

8. **Seminary.**—First and second terms. One hour each week at an hour to be arranged.

For the discussion of current literature and the presentation of original work by the members of the Department staff and those doing advanced work in the Department. It may be taken in connection with Course 3 or Course 7.

DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY.

SUTHERLAND SIMPSON, M.D., D.Sc., F.R.S. (Edin.), *Professor of Physiology.*

JAMES B. SUMNER, A.M., Ph.D., *Assistant Professor of Biochemistry.*

J. A. DYE, A.B., *Instructor in Physiology.*

A. BODANSKY, B.S., Ph.D., *Instructor in Biochemistry.*

_____, *Instructor in Physiology.*

V. GRAHAM, A.M., *Instructor in Biochemistry.*

FRANCES H. BURNS, A.B., *Assistant in Physiology.*

ETHEL D. SIMPSON, A.B., *Assistant in Physiology.*

Physiology.

This subject is taught in the second term of the first year of the medical curriculum. It is the aim of the department to give the students a thorough training in the fundamentals of the science of physiology, which was formerly known as the Institutes of Medicine, and an effort is made to strike the proper balance between the study of theoretical principles in the lecture room and the practical application of these in the laboratory.

The work in physiology is given in the second term. Nine hours a week are devoted to practical exercises, special attention being given to experimental

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methods which are likely to be of importance in the study of clinical medicine.

In the laboratory, from year to year, less and less time is taken up with frog physiology and more and more time devoted to a practical study of mammalian functions. This is made possible by the fact that the department now possesses six large Brodie kymographs of the most recent pattern for the exclusive use of medical students.

The following courses are offered:

1. **Physiology of Muscle and Nerve; reflex, central and autonomic nervous systems; special senses; digestion, absorption and endocrine organs.**—Credit 4 hours. Professor Simpson, Instructor Dye and assistants. Four lectures or conferences weekly throughout the term. Written and oral examinations will be held at intervals.

4. **Experimental Physiology.**—Credit 4 hours. Professor Simpson, Instructor Dye and assistants. Two laboratory periods of six and three hours each week. The fundamental experiments of the science dealt with in the systematic lectures will be carried out practically by the students themselves under the direction of the professor and instructors. Demonstrations, oral and practical examinations will be given from time to time.

8. **Advanced Work and Research.**—The laboratory is open daily from 8 A.M. till 6 P.M. for advanced work and original investigation under the direction of the professor and assistants.

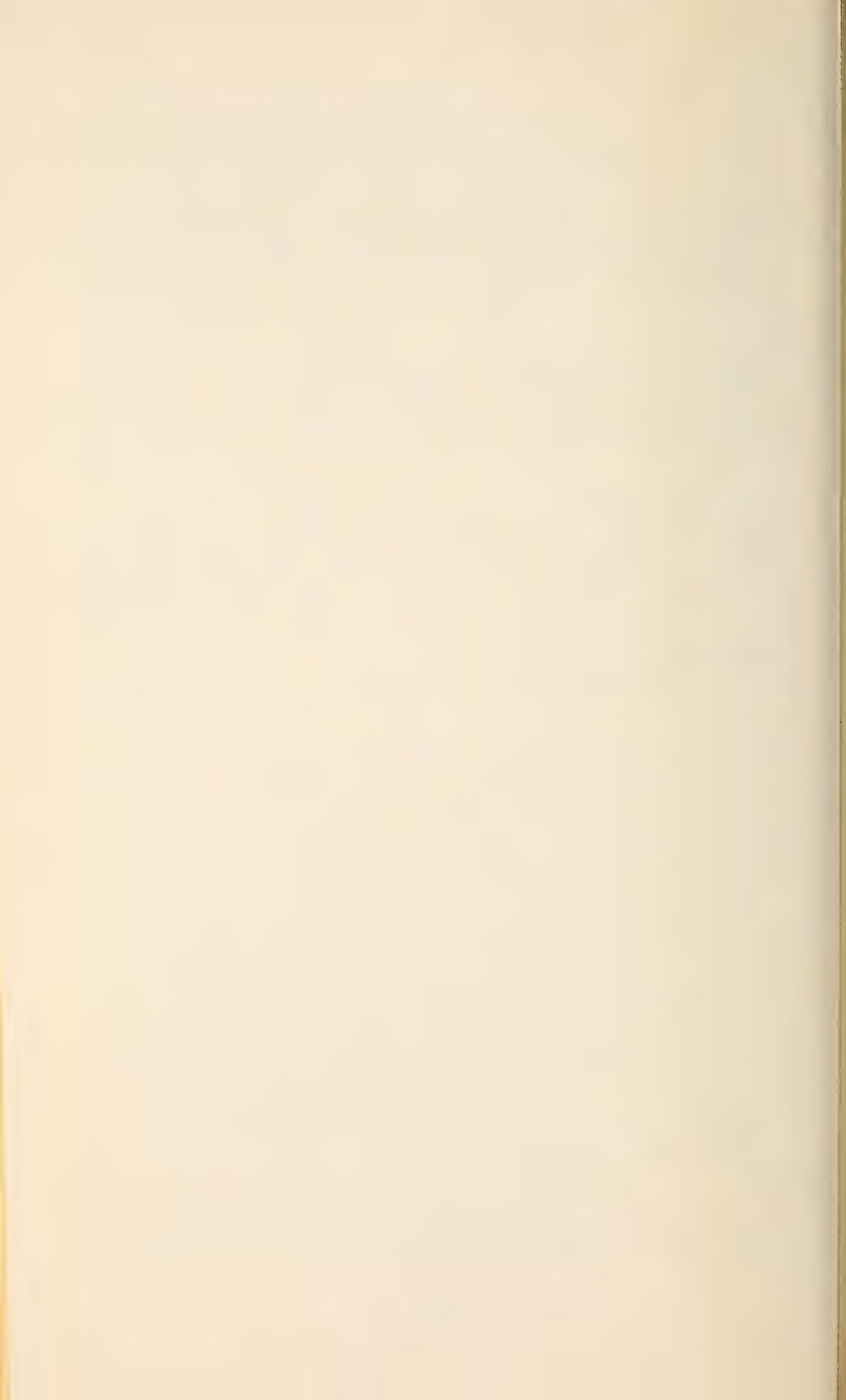
Biochemistry.

In this section the student is taught the chemistry of the tissues, fluids, secretions, and excretions of the human body; the compositions of food-stuffs, and the phenomena of their digestion, absorption, and assimilation; the rôle of enzymes in the animal economy; the principles of nutrition; and the leading facts of general and special metabolism. Groups of organic compounds of especial biological importance will be discussed emphasizing particularly the carbohydrates, purins, amino acids, and fats. The fundamental properties of electrolytes and colloids and the phenomena of osmosis and dialysis will be considered in lecture room and laboratory. Instruction is given in the use of analytical methods for the examination of biological products, both normal and pathological. Those methods are principally considered which have found an application in scientific medicine, and special attention is devoted to the quantitative analysis of the gastric contents, blood, and urine. Each student completes the course by performing a metabolism experiment upon himself.

The bulk of the instruction is given in the laboratory. As occasion arises, the student's individual work there is supplemented by experimental demonstrations; while by means of lectures and recitations it is sought to co-ordinate the whole, and to expound the theoretical aspects of the subject.

The following courses are offered:

15. **General Biochemistry.**—Second term. Credit, 9 hours. Five lectures or recitations and four three-hour laboratory periods weekly; supplemented by



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demonstrations, conferences and written reviews. Assistant Professor Sumner, Dr. Bodansky and Miss Graham. Required of first year students of medicine.

17. Special Chapters in Biochemistry.—First term. Credit, 1 hour. Assistant Professor Sumner. One lecture weekly on some selected province of biological chemistry. Hour to be arranged. This is an elective course for advanced students or graduates.

20. Advanced and Research Work in Biochemistry.—First and second terms. Assistant Professor Sumner. The laboratory is open daily to all qualified persons for advanced instruction or the prosecution of research. Courses are arranged to suit the training and requirements of the individual student.

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SCHEDULE AND SUMMARIZED STATEMENT.

In this schedule the counts or University hours are given on the following basis: One recitation or lecture weekly for one term or half year gives a credit of one; for laboratory work it requires two and one-half actual hours weekly for a term or half year to secure a credit of one.

SCHEDULE OF REQUIRED COURSES.

First Term.

	No. of Course	University Hours	Actual Hours Weekly
Anatomy	1 to 3, 7	11	25
Anatomy	6	2	3
Histology	10	8	16
		—	—
		21	44

Second Term.

Anatomy	8	2	4
Physiology	1, 5	4	4
Physiology	4	4	9
Nervous System	5	3	9
Biochemistry	15	9	17
		—	—
		22	43

SUMMARY OF REQUIRED COURSES.

1. **Anatomy of the Head and Neck.**—Credit, 4 hours, 25 actual hours a week for 6 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

2. **Anatomy of the Thoracic Walls and Viscera.**—Credit, 1 hour, 25 actual hours a week for 2 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

3. **Anatomy of the Abdominal and Pelvic Walls and Viscera.**—Credit, 4 hours, 25 actual hours a week for 6 weeks. Professors Kerr and Papez, Instructor Bateman and assistants. Laboratory work, dissection, and conferences.

6. **Anatomy of the Living Body.** Credit, 2 hours, 3 actual hours a week. Professor Kerr.

7. **Anatomy of the Upper Extremity.** Credit, 2 hours, 25 hours a week for 2 or more weeks. Professors Kerr and Papez and assistants.

10. **Histology.**—Credit, 8 hours. Professor Kingsbury and assistant. Four laboratory periods and four lectures each week.

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Second Term.

1. **Physiology of Cell, Muscle, Nerve, Heart and Circulation, and Respiration.**—Credit, 4 hours. Professor Simpson, Instructors Liddell and Dye, and assistants. Four lectures or recitations weekly throughout the term with demonstrations and examinations.

4. **Experimental Physiology.**—Credit, 4 hours. Professor Simpson, Instructor Dye, and assistant. Two laboratory periods of three and six hours a week. This course will be supplemented by demonstrations whenever necessary.

15. **General Biochemistry.**—Credit, 9 hours. Five lectures or recitations and four three-hour laboratory periods weekly, supplemented by demonstrations, conferences, and written reviews. Assistant Professor Sumner, Dr. Bodansky and Miss Graham.

5. **The Nervous System Anatomy, Histology, and Development.**—Credit, 3 hours. Assistant Professor Papez. Nine actual hours a week. Dissection of the spinal cord and brain. Microscopic structure of the nervous system and organs of special sense.

8. **Anatomy of the Lower Extremity.**—Credit, 2 hours, 4 actual hours a week. Professors Kerr and Papez and assistants.

REQUIREMENTS FOR ADMISSION.

The requirements for admission are identical with those of the Medical College at New York City (see page 26.)

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GRADUATE WORK AT ITHACA.

ADMISSION.

The Graduate School has exclusive control of all graduate work carried on in the University. Graduates of the following colleges of Cornell University, namely, the College of Arts and Sciences, the College of Architecture, the College of Engineering, the Medical College, the New York State College of Agriculture, and the New York State Veterinary College, and also graduates of other institutions in which the requirements for the first degree are substantially equivalent, are eligible for admission to the Graduate School. In other cases studies pursued after graduation, and experience gained by professional work or otherwise, are taken into consideration in deciding whether the candidate's preparation as a whole is such as to justify his admission to the Graduate School. Graduates of colleges other than those of Cornell University may be admitted to the Graduate School, but not to candidacy for an advanced degree, if their training is regarded as less than one year short of that required for the first degree at Cornell University.

In order to be admitted to the Graduate School, a student must furnish evidence that he has already received a first degree, by presenting either a diploma or a statement from some official source. The simplest procedure will ordinarily be to submit an official statement from the registrar or dean that the degree has been conferred. In the case of graduates of Cornell University this is not necessary, since the records are conveniently accessible.

To avoid delays at the beginning of the academic year, those who desire to enter the Graduate School are advised to make application for admission, either in person or by letter, in the preceding spring or summer. Correspondence should be addressed to the Dean of the Graduate School, Cornell University, Ithaca, New York.

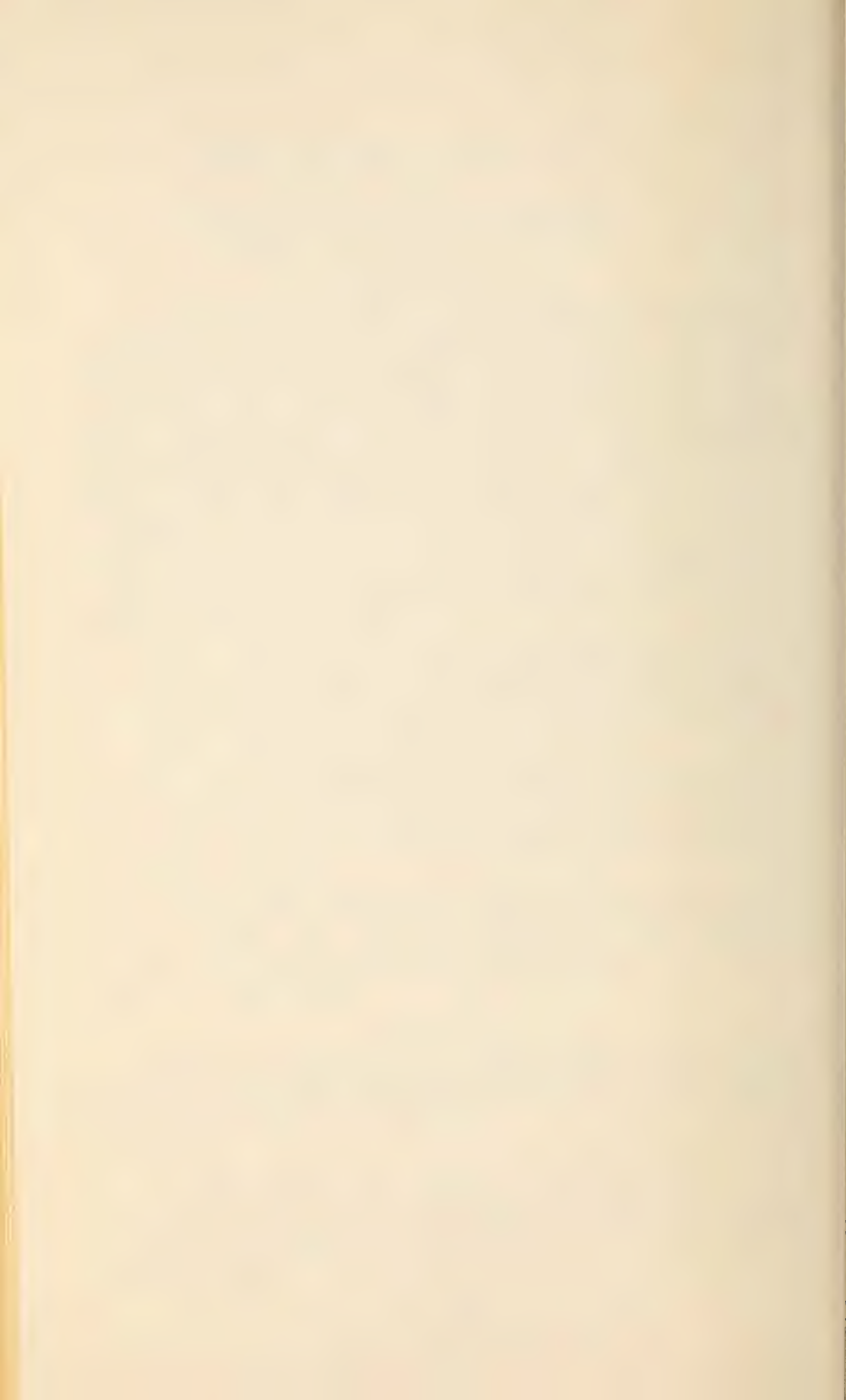
For details in regard to the selection of major and minor subjects, special committees in charge of the work of each candidate for an advanced degree, fees, time required, thesis, and special conditions to be fulfilled by each candidate for an advanced degree, reference should be made to the announcement of the Graduate School.

FACILITIES.

The facilities of the Departments of Anatomy, Histology and Embryology, Physiology and Biochemistry, have been outlined under the description of each department. These are equally available for the use of the graduate students as for medical students.

FELLOWSHIPS AND GRADUATE SCHOLARSHIPS.

Among the twenty-four fellowships and eighteen scholarships offered annually to students in the Graduate School, the following are of particular interest to students continuing work in biological sciences:



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The Schuyler Fellowship in Animal Biology (annual value of \$400 and free tuition in the Graduate School).

The Graduate Scholarship in Animal Biology (annual value of \$200 and free tuition in the Graduate School).

THE COMBINED A.B. AND M.D. DEGREES.

It will be seen from Section II of the requirements for admission that the two degrees, Bachelor of Arts and Doctor of Medicine, may be obtained in seven years. The first three years must be taken in a College of Arts and Sciences. The fourth year is the first year in the Medical College, and may be pursued either at Ithaca or in New York City. At the end of it the student receives the degree of A.B. The last three years are taken entirely in the Cornell University Medical College at New York City.

For the convenience of the college students preparing for Medicine, two plans for the first three years in the College of Arts and Sciences of Cornell University are given below. These include the special underclass requirements of the College of Arts and Sciences of Cornell University in English and Public Speaking; Foreign Languages; Physics; Mathematics and Chemistry; Biological Sciences; Philosophy and Psychology; History; Economics and Government; the upperclass requirement of ten hours in one selected group in the third year; and also the special work in Physics, Chemistry, Biology, English and Modern Foreign Language required for entrance to the Cornell University Medical College.

Schedule I applies to students who continue with one of the foreign languages which they offered for entrance. Schedule II is for students who choose to begin a new foreign language rather than to continue with one of those taken in High School.

SCHEDULE I.

<i>First Year</i>		<i>1st Term.</i>	<i>2nd Term.</i>
	<i>Course No.</i>	<i>Hours Credit.</i>	<i>Hours Credit.</i>
Zoology (General)	1	3	3
English	1	3	3
Modern Foreign Language (Advanced)....	—	3	3
History	—	3	3
Chemistry (General Inorganic)	101	—	6
Electives	—	6	—
		18	18
<i>Second Year</i>			
Zoology (Comparative Anatomy)	3	3	3
Chemistry (Qualitative and Quantitative Analysis)	210,225	3	3
Psychology (Elementary)	1	3	—

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Second Year (continued)

	Course No.	1st Term. Hours Credit.	2nd Term. Hours Credit.
Psychology or Philosophy	—	—	3
Physics (General)	1 & 2	3	3
Economics (Elementary)	51 a & b	3	3
Elective	—	2	3
		—	—
		17	18

Third Year

Histology (The Tissues and Histogenesis) ..	1	4	—
Embryology of Vertebrates	4	—	4
Anatomical Methods	22	3	—
Chemistry (Organic)	375	6	—
Physics (Laboratory)	55	—	3
Electives	—	5	11
		—	—
		18	18

First Year

SCHEDULE II.

Zoology (General)	1	3	3
English	1	3	3
Modern Foreign Language (Elementary)....	—	6	5
Chemistry (General Inorganic)	101	—	6
Electives	—	6	—
		—	—
		18	17

Second Year

Zoology (Comparative Anatomy)	3	3	3
Chemistry (Qualitative and Quantitative Analysis)	210,225	3	3
Psychology (Elementary)	1	3	—
Psychology or Philosophy	—	—	3
Physics (General)	1 & 2	3	3
Modern Foreign Language (Advanced)	—	3	3
Economics	51 a & b	3	3
		—	—
		18	18

Third Year

Histology (The Tissues and Histogenesis) ..	1	4	—
Embryology of Vertebrates	4	—	4
Anatomical Methods	22	3	—
Chemistry (Organic)	375	6	—
History	—	3	3
Physics (Laboratory)	55	—	3
Electives	—	2	8
		—	—
		18	18

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The electives would vary with the individual but it is advised that students obtain a reading knowledge of both French and German. More than one year of English is also very desirable. In modifying the above outline, it should be kept in mind that the required subjects must be completed although their position in the schedule may be shifted.

It is strongly recommended that freshmen should plan at the beginning of their course the work of the three years in Arts. The Secretary of the Medical College will be glad to confer with students who expect to study medicine and to help them arrange their plan of Arts work so as to meet best their individual needs.

RESIDENCE AND REGISTRATION.

The college year is nine months long, extending from the last of September till about the middle of June, and is divided into two nearly equal terms. (For exact dates, see calendar on page 95).

No credit is given for work done in absentia. For leave of absence during the session, application should be made to the Secretary.

At the beginning of the term students must register with the University Registrar, in Morrill Hall. After registration with the University Registrar, they must register with the Secretary of the Medical College, in Stimson Hall.

EXAMINATIONS.

Students are advanced in course from one year to the next upon passing examinations upon the work of that year. The work of each year is considered final of itself. There is no unnecessary repetition of subjects taught from year to year. According to the usage of the other colleges, the University student found to be markedly deficient will be dropped from the College at the end of the term in which such deficiency is shown. In the case of a student so dropped, an application for re-admission will not be considered at all until after the expiration of one term.

ADVANCEMENT FROM FIRST TO SECOND YEAR.

Upon the completion of the year in Ithaca, a transcript of the record of each student, together with a statement that such student is recommended for admission to the second year class is transmitted by the Faculty at Ithaca to the Faculty of the Medical College in New York City. As a student is not advanced from one year to another in the New York division until all the work of the year is completed, a student from Ithaca cannot enter the second-year class in New York until the entire schedule of the first year has been successfully completed. For removing any conditions, examinations are held at the beginning of the fall term, both in Ithaca and in New York City. The student is at liberty to take these examinations in Ithaca or in New York City. The examination on a subject in either place is final for that year. That is, the student will not be permitted to try an examination on a subject in Ithaca, and take advantage of the later date for the examination in New York to have a second examination on the same subject in the same autumn.

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CHARGES FOR INSTRUCTION.

FIRST YEAR.	
Matriculation	\$10.00
Tuition	300.00
Laboratory Fees	35.00
	<hr/>
	\$345.00

All tuition and other fees may be changed or increased by the Trustees to take effect at any time without previous notice.

To secure payment for breakage of instruments, apparatus, etc., each student is required to deposit with the treasurer \$10. This deposit, less the amount charged for breakage, will be returned at the end of the year.

Applications for Registration in the Medical College Must be Made by March 1, and a Deposit of \$50 is Required If Accepted.

Any prospective undergraduate student intending to register in the Medical College at Ithaca for the first term of the academic year must apply for registration not later than March 1 of that year. An application received after March 1 may be accepted if, in the judgment of the Faculty concerned there is adequate provision for the student's instruction. A deposit of \$50 is required as soon as the application is acted on favorably by the Committee. If a student completes his registration for the first term the deposit will be credited to his account. If a prospective student whose application and deposit have been accepted fails to complete his entrance requirements he is entitled to a refund of the deposit in excess of accrued charges. If an applicant fails for any other reason to enter the University at the beginning of the term there may, in the discretion of the Comptroller and the Registrar, be refunded to him any balance above charges accrued. Such a refund will generally be made where the vacancy caused by the student's withdrawal is filled.

RESIDENTIAL HALLS.

The University has six residential halls for men students situated on the Campus and furnishing accommodations for about 480 men. For particulars address University Treasurer, Ithaca, N. Y. There are, also, many private boarding and rooming houses near the University Campus. In these the cost of board and furnished room, with heat and light, varies from \$10 to \$15 a week. By the formation of clubs, students are sometimes able to reduce their expenses for room and board. Cafeterias are maintained by the University in Cascadilla Hall and near the Baker Dormitories, and one by the College of Agriculture in the Home Economics Building, where meals may be obtained at reasonable prices.

Before engaging rooms, students should carefully examine sanitary conditions and should particularly insist on satisfactory and sufficient fire escapes. The University publishes and distributes a list of approved rooming houses. This list is ready for distribution August 15. New students are advised to come to Ithaca a few days in advance of the beginning

ITHACA DIVISION

of the University duties in order that they may have ample time to secure room and board before the opening of the academic year. The Freshman Advisory Committee offers its assistance to new students in the selection of rooming and boarding houses.

The residential halls for women students are Sage College and Prudence Risley Hall. In these buildings, which are exclusively for women students, the total cost of board, laundry and rent of furnished rooms, with heat and light is \$460 a year. The halls are heated by steam, and lighted by electricity. The Dean of Women has jurisdiction over all women students in the University, and women students are not permitted to board and lodge outside of the halls for women except in houses approved by the Dean, and subject to her direction. Prospective women students should write to the Dean of Women for information concerning any matters in which they may need assistance. Dormitory facilities for women are inadequate, and prospective students desiring such accommodations are urged to make early application. Inquiries in regard to board and rooms in the women's halls should be addressed to The Manager of Residential Halls, Sage College, Ithaca, N. Y.

CORNELL UNIVERSITY MEDICAL COLLEGE

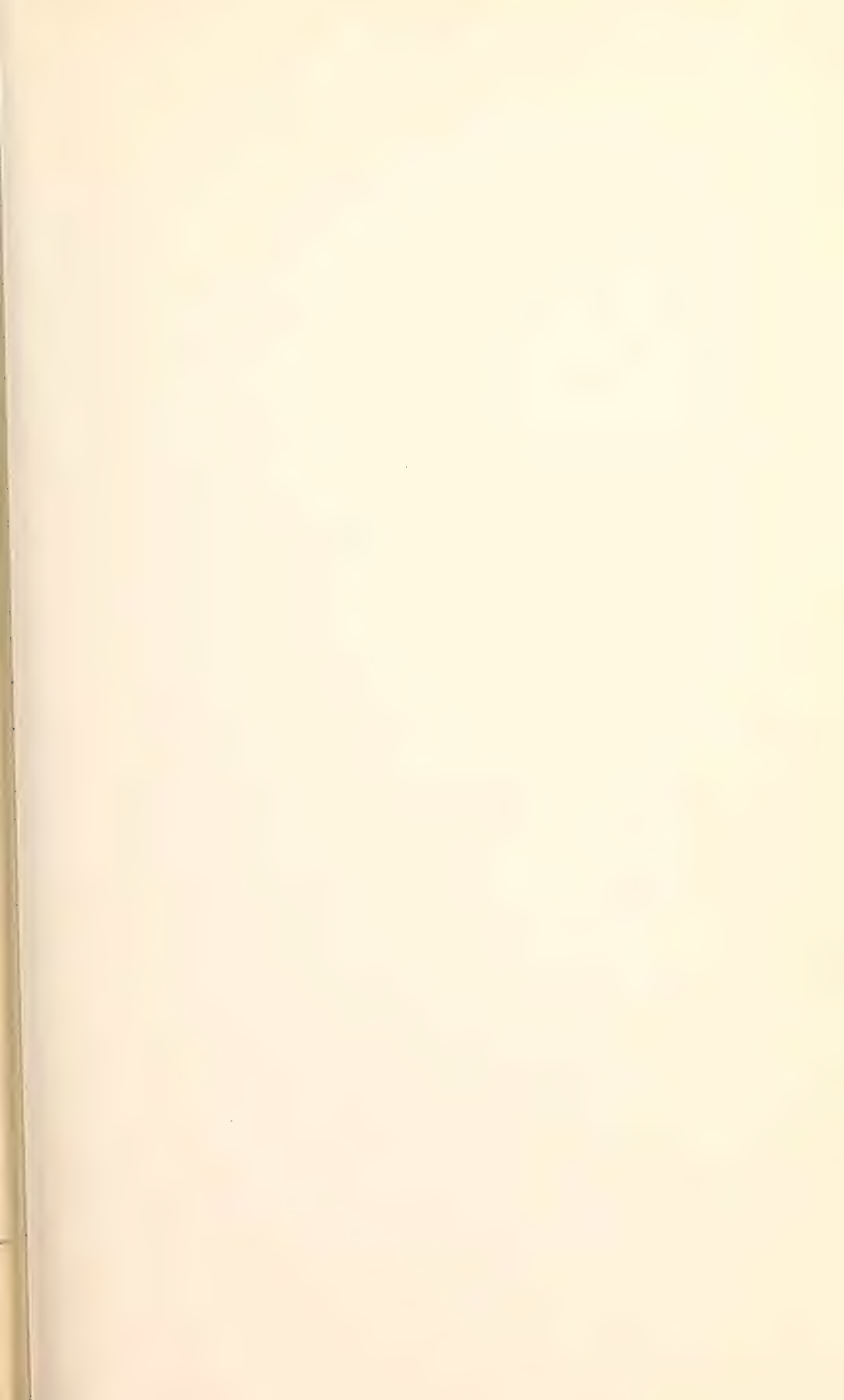
ITHACA, N. Y.

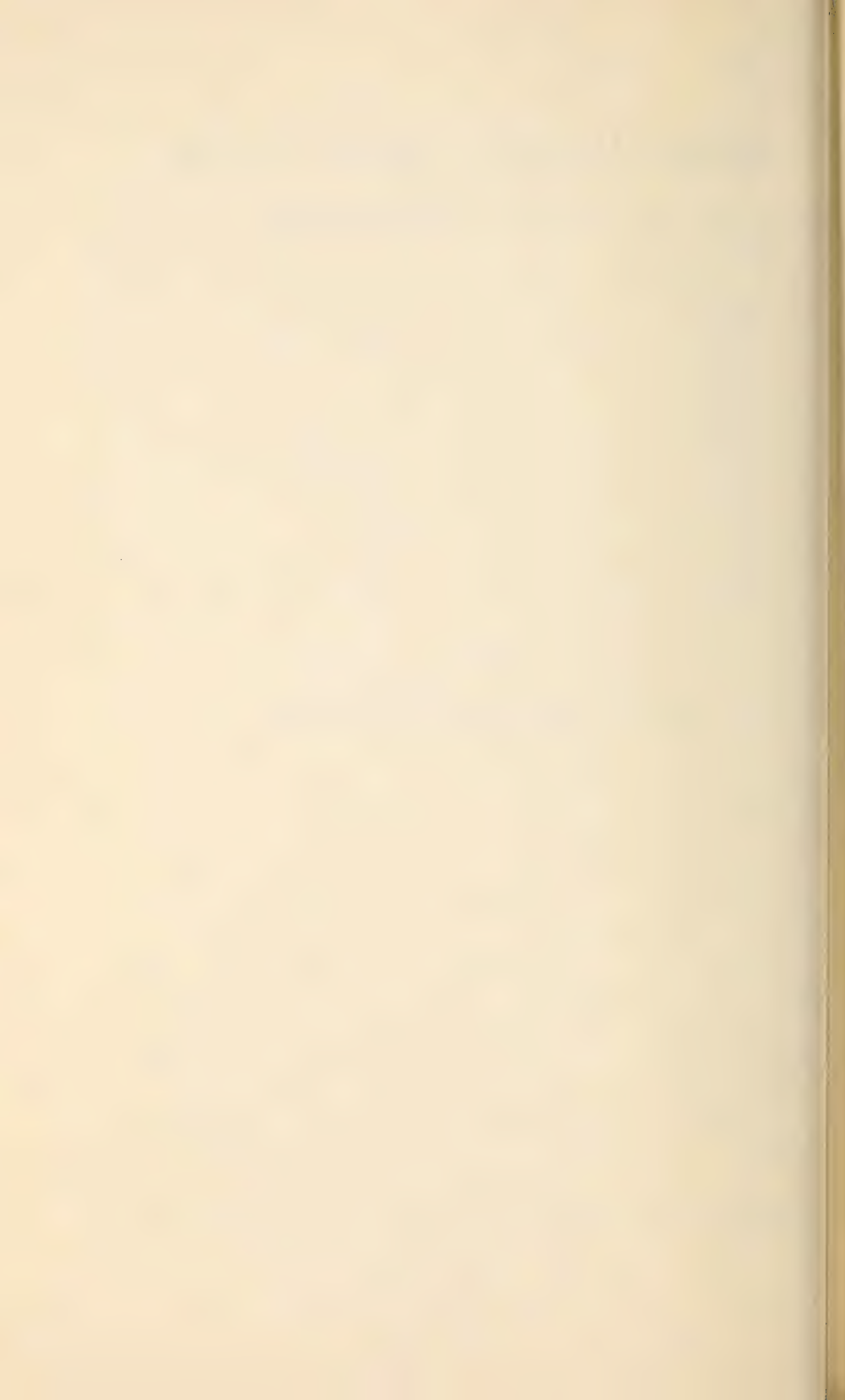
FIRST YEAR—SESSION 1923-1924—FIRST TERM

	8	9	10	11	12	2	3	4
Mon.	Anatomy	Histol.	Histology			Anatomy		
Tues.	Anatomy					Anatomy		
Wed.	Anatomy	Histol.	Histology			Anatomy		
Thurs.	Anatomy					Anatomy		
Fri.	Anatomy	Histol.	Histology			Anatomy		
Sat.		Histol.	Histology					

FIRST YEAR—SESSION 1923-1924—SECOND TERM

	8	9	10	11	12	2	3	4
Mon.	ANATOMY					Nervous System		
Tues.	Physiol.	Biochem.	Physiology			Physiology		
Wed.	Physiol.	Biochem.	Nervous System			Biochemistry		
Thurs.	Physiol.	Biochem.	Physiology			Nervous System		
Fri.	Physiol.	Biochem.	Biochemistry			Biochemistry		
Sat.		Biochem.	Biochemistry					





STUDENT REGISTER

GRADUATES, 1924

Doctors of Medicine, June 12, 1924.

Abel, Henri Ernest	Elizabeth General Hospital A.B., 1920, Colgate University.
Ashe, Benjamin Israel	New York Post Graduate Hospital B.S., 1920, College of the City of New York
Bassett, Samuel Hopkins	New York Hospital A.B., 1920, Cornell University.
Bates, Charles Edward Harold	Brooklyn Hospital A.B., 1921, University of California.
Beattie, Barbara	N. Y. Infirmary for Women and Children A.B., 1920, Vassar College.
Black, LeRoy Walton	Paterson General Hospital Ph.B., 1920, Brown University.
Breitbart, Joseph Roosevelt	New York Hospital A.B., 1920, Ohio State University.
Brokenshire, Herbert Cecil	Methodist Episcopal Hospital, Brooklyn B. S., 1920, Middlebury College.
Crabtree, Ruth Foster	Bellevue Hospital A.B., 1921, Barnard College.
Cracco, Frederick Anthony	Christ Hospital, Jersey City, N. J. A.B., 1921, Cornell University.
Davis, Irene	Western Pennsylvania Hospital, Pittsburgh, Pa. A.B., 1921, Cornell University.
Drabkin, David Lion....	National Research Council Fellowship, Yale University A.B., 1919, College of the City of New York.
Dunovant, Robert Gill Mills	Jersey City Hospital, Jersey City, N. J. A.B., 1917, Wofford College.
Duryea, Garrett DeNyse	Brooklyn Hospital A. B., 1921, Cornell University.
Fein, Bernard Samuel	Beth Israel Hospital, Newark, N. J. A.B., 1920, New York University.
Felter, Robert Kenneth	New York Hospital A.B., 1920, Cornell University
Freston, Julian Maxwell	Roosevelt Hospital A.B., 1921, Cornell University.
Garrick, Thomas Joseph	King's County Hospital, Brooklyn A.B., 1917, Boston College.
Gibb, Alice Stearns	Bellevue Hospital A.B., 1918, Barnard College.
Heim, Harlan Stabler	Bellevue Hospital A.B., 1920, Western Union College.
Herzstein, Joseph	Bellevue Hospital B.S., 1913, College of the City of New York.

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Hession, Martin Francis	French Hospital
A.B., 1917, College of the City of New York.	
Holder, Hall Gillam	Bellevue Hospital
A.B., 1920, Pomona College.	
Holt, Evelyn	New York Hospital
A.B., 1919, Wellesley College.	
Hosoi, Kiyoshi	Memorial Hospital, Richmond, Va.
B.S., 1921, University of Hawaii.	
Iler, Russell Hills	Cumberland Street Hospital, Brooklyn
A.B., 1920, Cornell University.	
Jagger, Seth Ransom	New York Hospital
A.B., 1921, Cornell University.	
Keasbley, Louisa Edwina	Bellevue Hospital, 4th Div.
A.B., 1919, Cornell University.	
Kellner, Frank Everts	New York Post Graduate Hospital
B.S., 1920, University of Washington.	
Kirk, Winifred	N. Y. Infirmary for Women and Children
A.B., 1915, Cornell University.	
Knighton, Willis Sackett	Paterson General Hospital
A.B., 1920, Cornell University.	
Lomauro, James Rosario	St. Vincent Hospital
A.B., 1920, Johns Hopkins University.	
Maloney, William Michael	Mountainside Hospital, Montclair, N. J.
A.B., 1921, Cornell University.	
Menninger, William Claire	Bellevue Hospital
A.B., 1919, Washburn College.	
Moore, Anne Lardner	Bellevue Hospital, 4th Div.
A.B., 1921, Cornell University.	
Parker, Z. Rita	Western Pennsylvania Hospital, Pittsburgh, Pa.
A.B., 1917, Syracuse University.	
Pizer, Harry Sidney	Lincoln Hospital
B.S., 1917, Syracuse University.	
Prout, Curtis Tuttle	Albany Hospital, Albany, N. Y.
A.B., 1921, Cornell University.	
Pullen, Edward Markey	Lenox Hill Hospital
B.S., 1922, Dartmouth College.	
Root, Douglas Lee	Staten Island Hospital
A.B., 1921, Cornell University.	
Rosenheck, Joseph	Lincoln Hospital
B.S., 1920, College of the City of New York.	
Sands, Evarts Foster	Roosevelt Hospital
A.B., 1921, Cornell University.	
Santoro, Grace Marie	Grace Hospital, New Haven, Conn.
A.B., 1921, Cornell University.	
Seager, Paul Sylvester	New York Post Graduate Hospital
A.B., 1921, Cornell University.	

STUDENT REGISTER

Serman, Frank Zit	Harlem Hospital
A.B., 1920, Brown University.	
Snedeker, Alfred William	Paterson General Hospital
A.B., 1921, Cornell University.	
Souter, Martha Chandley	Bellevue Hospital
A.B., 1921, Cornell University.	
Sutliff, Wheelan Dwight	Bellevue Hospital
A.B., 1921, University of Wisconsin.	
Taber, Leslie Ray	Paterson General Hospital
Ph.B., 1919, Brown University.	
Tetelman, Michael Martin.....	French Hospital
B.S., 1918, New York University.	
Trescher, John Henry.....	Alleghany General Hospital, Pittsburgh, Pa.
A.B., 1921, Cornell University.	
Von Oehsen, William Henry	Staten Island Hospital
A.B., 1921, Cornell University.	
Voorhees, Glenn Lavar	Bellevue Hospital
B.S., 1916, Utah Agricultural College.	
Vosburgh, Frederick Leon	Fordham Hospital
A.B., 1921, Cornell University.	
Welton, Walter Frederick	
A.B., 1919, Columbia University.	
Wexler, David	Mt. Sinai Hospital
A.B., 1921, Cornell University.	
White Stephen	
B.S., 1920, College of the City of New York.	
Yoffa, Annie	
A.B., 1921, Cornell University.	

CORNELL UNIVERSITY MEDICAL COLLEGE

STUDENTS 1924-25

Candidates for the Degree of Doctor of Medicine.

FOURTH YEAR.

Rose Henri Andre, A.B., 1920, Cornell University.....Buffalo, N. Y.
 Walter Joseph Becker, A.B., 1922, Cornell University.....New York, N. Y.
 Edith Dorothy Bell, A.B., 1920, Wellesley College.....Salisbury, Conn.
 William Berman, A.B., 1922, Cornell University.....Rochester, N. Y.
 Nelson Sylvester Bigelow, B.S., 1920, Wesleyan University, East Haddam, Conn.
 George Birnbaum, B.S., 1921, College of the City of New York, New York, N. Y.
 Victor August Blenkle, A.B., 1922, Cornell University.....Jersey City, N. J.
 Knox Brittain, A.B., 1922, Cornell UniversityDownsville, N. Y.
 Katharine Brooks, A.B., 1920, Vassar CollegeNew Britain, Conn.
 Sidney Brooks, A.B., 1918, New York University.....Paterson, N. J.
 Harold Burg, B.S., 1921, College of the City of New York....New York, N. Y.
 Rebecca Burr Carter, A.B., 1921, Vassar College.....Washington, Conn.
 Bryant Elliott Christensen, A.B., 1922, University of Colorado..Dodge City, Kan.
 Enid Crump, A.B., 1922, Cornell UniversityNew York, N. Y.
 David Davis, B.S., 1922, Harvard UniversityBoston, Mass.
 Edward Victor Denneen, A.B., 1921, Cornell University.....Buffalo, N. Y.
 William Courtney Douglass, B.S., 1921, Wooster College.....Shanghai, China
 Theodore Dunham, Jr., A.B., 1921, Harvard UniversityNew York, N. Y.
 Reinhold Otto Ebert, A.B., 1922, M.A., 1923, University of Wisconsin,
 Marion, Wis.

Ralph Augustine Eckhardt, A.B., 1922, University of Rochester, Rochester, N. Y.
 Dennis Grooms Evans, B.A., 1920, Vanderbilt University ..Tompkinsville, Ky.
 Walter John Farr, B.A., 1922, Cornell University.....Hoboken, N. J.
 Clement Coleman Fenton, A.B., 1915, Columbia University, M.S., 1922,
 University of West Virginia.....New York, N. Y.
 Edmund Warner Fisher, Ch.E., 1918, Polytechnic Institute of Brooklyn,
 A.M., 1921, Columbia UniversityBrooklyn, N. Y.
 Elizabeth Frances Freeman, A.B., 1919, Wellesley CollegeWest Orange, N. J.
 Marie Fuhrer Gregory, B.S., 1922, Barnard College.....New York, N. Y.
 Harry Hanfling, B.S., 1921, College of the City of New York..New York, N. Y.
 Raymond Owen Hitchcock, A.B., 1920, Cornell UniversityLyons, N. Y.
 James Frederic Hollister, B.A., 1922, Cornell University.....Saluda, N. C.
 William Irving Jablon, B.A., 1922, Cornell University.....Brooklyn, N. Y.
 Edward Jacobs, B.S., 1921, College of the City of New York..New York, N. Y.
 Sigund Walter Johnsen, B.S., 1921, University of Chicago.....Chicago, Ill.
 Kwong, Tsae Ngoo, A.B., 1921, Cornell University.....Shanghai, China
 Marie Louise Lederer, A.B., 1922, Cornell UniversityNew York City
 Merrill David Lipsky, A.B., 1922, Cornell University.....Somerville, Tenn.
 Fred Mather, B.S., 1920, Massachusetts Agricultural College....Amherst, Mass.
 Alfred M. Michaelis, A.B., 1920, Columbia UniversityNew York, N. Y.

*Deceased.

STUDENT REGISTER

Irving Wright Parkhurst, A.B., 1922, Cornell UniversityFair Haven, Vt.
 Lyndon Arthur Peer, A.B., 1922, Cornell University.....Deal Beach, N. J.
 Melvin George Preston, A.B., 1922, Cornell UniversityUtica, N. Y.
 Thomas Main Proctor, B.S., 1919, Colgate UniversityWaterford, N. Y.
 Ada Chree Reid, A.B., 1917, Barnard CollegeBoonton, N. J.
 Walter Jesse Rollins, B.S., 1922, Massachusetts Agricultural College,

Westminster, Vt.

Samuel Schwartz, B.S., 1921, Cornell UniversityBrooklyn, N.Y.
 Walter Paul Sherrill, A.B., 1922, Cornell UniversityTemple, Texas
 Max Michael Simon, B.S., 1921, Union CollegePoughkeepsie, N. Y.
 Hyman Solovay, A.B., 1922, Cornell UniversityBrooklyn, N. Y.
 Neil Charles Stone, B.S., 1921, University of Rochester.....Warsaw, N. Y.
 Virginia Macqueen Travell, B.A., 1921, Wellesley College ..New York, N. Y.
 Frances Elizabeth Vosburgh, A.B., 1918, Vassar College ..Voorheesville, N. Y.
 Preston Allen Wade, A.B., 1922, Cornell UniversityHelena, Montana
 Albert John Ward, A.B., 1921, Cornell University.....Morristown, N. Y.
 William Law Watson, A.B., 1922, Cornell UniversityPittston, Pa.
 Alice Dora Weber, B.A., 1922, Cornell UniversityNew York, N. Y.
 Thomas Joseph White, A.B., 1920, Fordham University.....Jersey City, N. J.
 Harold A. Wilson, A.B., 1922, Cornell UniversityDownsville, N. Y.
 Eske Harry Windsberg, Ph.B., 1921, Brown University..New Bedford, Mass.
 Chauncey Bechtle Wright, A.B., 1921, Johns Hopkins University, Ceredo, W. Va.

THIRD YEAR.

Robert Saunders Ackerly, A.B., 1922, Cornell University.....Cuba, N. Y.
 Harry Christie Aitken, A.B., 1921, Stanford University.....Berkeley, Cal.
 Walter Ing Akana, A.B., 1922, Cornell University.....Honolulu, Hawaii
 Irwin Alters, B.S., 1919, New York University.....New York, N. Y.
 Philip Brownell Armstrong, B.S., 1921, Massachusetts Agricultural College,

Rutherford, N. J.

Myron August, A.B., 1922, Western Reserve University.....Cleveland, Ohio
 Stanley Day Banks, B.S., 1922, Alfred University.....Horsehead, N. Y.
 Aaron Bell, B.A., 1923, Cornell University.....Brooklyn, N. Y.
 Beatrice Mary Belser, A.B., 1923, Cornell University.....New York, N. Y.
 Elizabeth Brakeley, A.B., 1916, A.M., 1917, Bryn Mawr College, Ph.D., 1920,
 Columbia University, Freehold, N. J.

Roswell Kingsbury Brown, B.S., 1919, Wooster College....Winona Lake, Ind.
 Katharine Kundsén Burnet, A.B., 1921, Vassar College....East Orange, N. J.
 Lyman Burnham, A.B., 1923, Cornell University.....Brooklyn, N. Y.
 John Spencer Carman, A.B., 1921, University of Rochester....Rochester, N. Y.
 Julius Chasnoff, B.S., 1922, College of the City of New York...New York, N. Y.
 Kenneth Mead Clough, A.B., 1923, Cornell University.....Brooklyn, N. Y.
 Robert Lloyd Craig, A.B., 1923, College of the City of New York..New York, N. Y.
 Fritz Jacob Cramer, A.B., 1922, Pomona College.....San Diego, Cal.
 Roy G. S. Dougall, A.B., 1922, John B. Stetson University..Dayton Beach, Fla.
 Wade Duley, A.B., 1923, Cornell University.....Port Jervis, N. Y.

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- Emanuel Zachary Epstein, A.B., 1923, Columbia University..Brooklyn, N. Y.
 Blanche Mildred Evans, A.B., 1922, Wellesley College.....Glen Ridge, N. J.
 Paul Fagin, B.S., 1922, College of the City of New York....New York, N. Y.
 Frank Miller Falconer, A.B., 1922, Cornell University.....Jamestown, N. Y.
 Irving Graef, A.B., 1923, Cornell University.....Cedarhurst, N. Y.
 Horace Greeley, Jr., B.S., 1920, Ch.E., 1921,
 Brooklyn Polytechnic Institute, Brooklyn, N. Y.
 Jacob Greenstein, A.B., 1922, Brown University.....Providence, R. I.
 James Dayton Griffith, A.B., 1922, Hamilton College....New Hartford, N. Y.
 Milton Helpert, B.S., 1922, College of the City of New York..New York, N. Y.
 Theodore George Holzsaeger, B.S., 1922, College of the City of New York,
 Brooklyn, N. Y.
 Edward Kenneth Horton, A.B., 1922, Cornell University.....Whitehall, N. Y.
 Marion Gertrude Josephi, A.B., 1922, Wellesley College.....New York, N. Y.
 Edward Lawrence Keyes, B.S., 1921, Princeton University..Forest Hills, N. Y.
 Edwina Kittredge, A.B., 1922, Vassar College.....North Andover, Mass.
 Joseph Harris Lapin, B.Chem., 1920, Cornell University.....Brooklyn, N. Y.
 McKinley London, B.A., 1922, Ohio State University.....Cleveland, Ohio
 Roland Leonard Maier, A.B., 1923, Cornell University....Schenectady, N. Y.
 Dean Wilson Marquis, B.S., 1922, Wooster College.....Wooster, Ohio
 Joseph Bryant Mathewson, A.B., 1923, Cornell University.....Bath, N. Y.
 John Gaffey McGrath, A.B., 1922, Columbia University....San Mateo, Cal.
 Edwin Francis Merolla, A.B., 1923, Cornell University.....Brooklyn, N. Y.
 George Samuel Meister, B.S., 1919, New York University....Brooklyn, N. Y.
 Raymond Joseph Millemann, B.S., 1922, Dartmouth College....Brooklyn, N. Y.
 Norman Slawson Moore, A.B., 1923, Cornell University.....Ithaca, N. Y.
 Nathan Nemerson, B.S., 1922, New York University.....Brooklyn, N. Y.
 Roger Wendell Ogburn, A.B., 1921, University of North Carolina,
 Greenboro, N. C.
 Irvine Heimly Page, A.B., 1921, Cornell University.....Indianapolis, Ind.
 Norman Papae, A.B., 1921, College of the City of New York...New York, N. Y.
 Samuel Pinonsky, B.S., 1922, Colby College.....Brooklyn, N. Y.
 Norman Herbert Plummer, A.B., 1922, University of California..Reno, Nevada
 Perry Alexander Proudfoot, B.S., 1913, Amherst College.....Roselle, N. Y.
 Warren David Robbins, A.B., 1923, Cornell University.....Port Norris, N. J.
 John Stanislovaitis Staneslow, A.B., 1922, Cornell University.Binghamton, N. Y.
 Catherine Strunk, A.B., 1923, Cornell University.....Ithaca, N. Y.
 Leonard Tarr, B.S., 1921, College of the City of New York..Brooklyn, N. Y.
 Janet Graeme Travell, A.B., 1922, Wellesley College.....New York, N. Y.
 Bettina Warburg, A.B., 1921, Bryn Mawr College.....New York, N. Y.
 Herbert Spencer Weichsel, B.S., 1922, Colgate University....New York, N. Y.
 James Higgins Whaley, Jr., B.S., 1922, New York University....Rome, N. Y.
 James Lewis Winemiller, A.B., 1920, Fordham University..Great Neck, N. Y.
 DeGraef Woodman, B.S., 1917, Cornell University.....New York, N. Y.
 Leverett Stearns Woodworth, B.S., 1923, Massachusetts Agricultural College,
 Newton, Mass.
 Irving Sherwood Wright, A.B., 1923, Cornell University.....Bloomfield, N. J.
 George John Young, A.B., 1923, Cornell University.....Brooklyn, N. Y.

STUDENT REGISTER

SECOND YEAR.

- Frederick Henry Amendola, B.S., 1923, College of the City of New York
New York, N. Y.
- Anthony Angello, A.B., 1924, Cornell University.....Mt. Vernon, N. Y.
- Charles Webner Barkhorn, B.S., 1923, Princeton University.....Newark, N. J.
- Eben Thompson Breed, A.B., 1924, Cornell University.....Ithaca, N. Y.
- Thomas Ignatius Brennan, B.S., 1923, Fordham University....New York, N. Y.
- Henry Arthur Christian, B.S., 1923, New York University....Jersey City, N. J.
- Arthur E. Corwith, A.B., 1924, Cornell University.....Water Mill, N. Y.
- Anthony James Delario, A.B., 1924, Cornell University.....Elmira, N. Y.
- Peter Gilbert Denker, B.S., 1923, College of the City of New York
New York, N. Y.
- Charles Warren DuBois, A.B., 1924, University of California..Los Angeles, Cal.
- Helen Elston, B.S., 1916, Elmira CollegeElmira, N. Y.
- William Louis Fleishfarb, B.S., 1923, New York University....Brooklyn, N. Y.
- Lyman Gill Fussell, A.B., 1923, Columbia University.....Wantagh, N. Y.
- Margaret Heighe Gantt, A.B., 1923, Smith College.....Woodstock, Va.
- William Travis Gibb, A.B., 1924, Columbia University.....New York, N. Y.
- Jessie L. Gillespie, A.B., 1922, Randolph-Macon Woman's College
Pounding Mill, Va.
- C. Malcolm Gilman, A.B., 1922, Columbia University.....Newark, N. J.
- George Joseph Ginandes, B.S., 1923, College of the City of New York
New York, N. Y.
- Benjamin Frank Glasser, B.Ch., 1920, Cornell University.....Brooklyn, N. Y.
- Henry Goldberg, A.B., 1924, Cornell University.....New York, N. Y.
- Leander Armond Guite, B.S., 1923, Colby College.....Waterville, Me.
- Edward Flemmon Hall, Jr., A.B., 1924, Cornell University..Birmingham, Ala.
- Walter Gerard Hanlon, A.B., 1922, Columbia University.....Stapleton, N. Y.
- John Henry Harrington, A.B., 1924, Cornell University.....Buffalo, N. Y.
- Richard Lawrence Harvey, A.B., 1924, Cornell University..New Rochelle, N. Y.
- Charles F. Hawkins, A.B., 1924, Cornell University.....Buffalo, N. Y.
- Frank F. Holmberg, A.B., 1924, Cornell University.....Sag Harbor, N. Y.
- Nathan Hudes, A.B., 1924, Cornell University.....Brooklyn, N. Y.
- Thomas Amos Killip, Jr., A.B., 1924, University of Rochester..Rochester, N. Y.
- George Ladas, A.B., 1924, Cornell University.....New York, N. Y.
- Solomon Lasky, B.S., 1918, College of the City of New York..New York, N. Y.
- Milton I. Levine, B.S., 1923, College of the City of New York..Yonkers, N. Y.
- Robert M. Lintz, A.B., 1924, Cornell University.....New Kensington, Pa.
- Wallace Lisbon, Ph.B., 1923, Brown University.....Providence, R. I.
- Victor Wesley Logan, A.B., 1923, Princeton University.....New York, N. Y.
- Richard L. Long, A.B., 1924, Cornell University.....Aurora, Ill.
- Henry Lowey, A.B., 1924, Cornell University.....New York, N. Y.
- Gaston Alexandre Manuel, B.S., 1919, Lausanne University
Lausanne, Switzerland
- Chauncey J. Mardis, A.B., 1923, Ohio University.....Lebanon, Ohio
- Malcolm Woodruff Mason, B.S., 1923, New York University..Brooklyn, N. Y.

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Carlotta Mendez, A.B., 1924, Cornell University.....Ithaca, N. Y.
Joseph Harold Merin, B.S., 1923, College of the City of New York
New York, N. Y.
Saul Moress, A.B., 1923, University of Rochester.....Rochester, N. Y.
Leo Joseph O'Donnell, Ph.B., 1923, Brown University.....Woonsocket, R. I.
Anna R. Schults, A.B., 1920, Hunter College.....Brooklyn, N. Y.
Anthony Skur, A.B., 1924, Western Reserve University.....Cleveland, O.
Raymond D. Snyder, A.B., 1924, Cornell University.....Hillsdale, N. Y.
Paul J. Soley, B.S., 1923, Dartmouth College.....South Orange, N. J.
Karl Peter Stadlinger, B.S., 1923, Dartmouth College.....Piedmont, Cal.
John George Stubenbord, A.B., 1924, Columbia University....Jersey City, N. J.
John P. Stump, A.B., 1923, Johns Hopkins University.....Cumberland, Md.
Victor Ellsworth Thomas, A.B., 1923, Leland Stanford University..Puente, Cal.
Florence E. Warner, A.B., 1924, Cornell University.....Binghamton, N. Y.
Henry Booth Wightman, A.B., 1923, Williams College.....New York, N. Y.
Harold Lynn Wilson, A.B., 1924, Cornell University.....Buffalo, N. Y.
Jacelyn Woodman, A.B., 1919, Cornell University.....Brooklyn, N. Y.
S. Bernard Wortis, A.B., 1923, New York University.....Brooklyn, N. Y.
Frederick Ziman, A.B., 1923, Cornell University.....Brooklyn, N. Y.

FIRST YEAR

Charles Edward Bauer, B.S., 1924, St. Lawrence University .Poughkeepsie, N. Y.
Maurice Marshall Berck, A.B., 1924, Columbia University . . . New York, N. Y.
Curtis Bruen, Columbia University* Towaco, N. Y.
Lionel Canaan, Ph.B., 1924, Yale College Brooklyn, N. Y.
Joseph John Charles, A.B., 1924, Georgetown University Brooklyn, N. Y.
Francis Michael Conway, A.B., 1924, Columbia University . . . Brooklyn, N. Y.
Hilda Chaffee Crosby, A.B., 1924, Wellesley College Hartford, Conn.
Florence Franklin Dean, A.B., 1924, Cornell University New York, N. Y.
Samuel Dimond, B.S., 1924, New York University New York, N. Y.
Ruth Earp, A.B., 1924, Wellesley College Madison, N. J.
Leo James Fitzpatrick, B.S., 1924, Dartmouth College Bayonne, N. J.
James Francis Flattery, A.B., 1924, College of the City of New York
New York, N. Y.
George Camp Freeman, B.S., 1923, Rutgers College Millington, N. J.
William Henry Gaub, Jr., B.S., 1921, M.S., 1922, Rutgers College
New Brunswick, N. J.
Milton Goldberger, A.B., 1924, Brown University Providence, R. I.
Milton Seymour Goodfried, B.S., 1924, New York University . . New York, N. Y.
Franklin Haywood Grauer, A.B., 1924, Princeton University . . New York, N. Y.
Harry Jonathan Greene, B.S., 1924, Colby College New York, N. Y.
Patrick Louis Gryzwacz, B.S., 1924, Massachusetts Agricultural College
Ware, Mass.
Bernard Hatz, B.Ch., 1921, Cornell University Brooklyn, N. Y.
Jesse Rex Holiday, B.S., 1924, Rollins College Alturus, Fla.

*Admitted under Clause II.

STUDENT REGISTER

John Francis Keating, B.S., 1924, Georgetown University..Rutherford, N. J.
 James Hugh Kidder, A.B., 1924, Fordham University.....New York, N. Y.
 Henry Bingham Kirkland, A.B., 1924, Princeton University...Brooklyn, N. Y.
 Herbert N. Klein, A.B., 1923, College of the City of New York..New York, N. Y.
 Elsie Dorothea Lemcke, B.S., 1920, Barnard College.....Orange, N. J.
 Isabel Marion London, A.B., 1922, Barnard College.....New York, N. Y.
 Edward Francis Malloy, A.B., 1924, Colgate University.....Ilion, N. Y.
 Arthur Francis Mangelsdorff, B.S., 1924, Rutgers College...Union Hill, N. J.
 Francis James McCambridge, A.B., 1924, Holy Cross College, Worcester,

Mass., Poughkeepsie, N. Y.

John Harold McGauley, B.S., 1924, Union College.....Schenectady, N. Y.
 Adolph Thomas Milhorat, A.B., 1924, Columbia University..Carlstadt, N. J.
 Max Moses, A.B., 1924, Alfred University.....Spring Valley, N. Y.
 Samuel Meyerson, B.S., 1924, College of the City of New York..Brooklyn, N. Y.
 Grace Trenholme Newman, A.B., 1921, Adelphi College.....New York, N. Y.
 David Harold Paley, Alfred University*.....Spring Valley, N. Y.
 C. Howard Rothfuss, B.S., 1922, Susquehanna University...Williamsport, Pa.
 Edward Felix Shnayerson, B.S., 1924, Dartmouth College...Brooklyn, N. Y.
 Solomon Sidney Smith, B.S., 1924, New York University....New York, N. Y.
 Morton Samuel Stern, B.S., 1923, Dartmouth College.....Berlin, N. H.
 Edward Stevens, A.B., 1923, Cornell University.....Newport, R. I.
 William Martin Sullivan, Jr., A.B., 1924, Princeton University..Passaic, N. J.
 Mossey Sussman, B.S., 1923, M.S., 1924, New York University..Jersey City, N. J.
 Jesse Tolmach, A.B., 1924, Syracuse University.....New York, N. Y.
 Donald Dennis Trantum, Colgate University*.....Jamestown, N. Y.
 Stratford Corbett Wallace, Columbia University*.....New York, N. Y.
 Joseph Gerard Welling, A.B., 1923, Fordham University...New Rochelle, N. Y.
 Arthur Archibald Weinberg, A.B., 1924, University of Southern California

Brooklyn, N.Y.

Olive Whitney Wheaton, A.B., 1924, Hunter College.....New York, N. Y.
 James Isidore Yanick, B.S., 1924, Alfred University.....Paterson, N. J.
 Isidore Charles Zuckerman, B.S., 1924, College of the City of New York.....

Brooklyn, N. Y.

FIRST YEAR AT ITHACA.

Beardsley, Leon A., Cornell University*.....Ithaca, N. Y.
 Beckenstein, Nathan, Cornell University*.....New York, N. Y.
 Beckwith, Irving H., Cornell University*.....East Pembroke, N. Y.
 Bullwinkel, George A., Cornell University*.....Brooklyn, N. Y.
 Coyne, Edwin D., Cornell University*.....Yonkers, N. Y.
 Egeberg, Roger O., Cornell University*.....Gary, Ind.
 Garofalo, Albert H., A.B., 1924, Syracuse University.....Syracuse, N. Y.
 Greenberg, Sidney M., Cornell University*.....Brooklyn, N. Y.
 Guillemont, Grant, Cornell University*.....Niagara Falls, N. Y.
 Hauck, Paul Jeffrey, Ohio University*.....Brookville, Pa.
 Hellstrom, Lillian, Cornell University*.....Haverstraw, N. Y.
 Hunt, Louise, A.B., 1921, Smith College.....Cross River, N. Y.

*Admitted under Clause II.

CORNELL UNIVERSITY MEDICAL COLLEGE

Kay, Raymond J., Cornell University*	Central Falls, R. I.
Kissin, Milton, Cornell University*	New York, N. Y.
Klein, Samuel H., Cornell University*	Brooklyn, N. Y.
Kline, Ernest Hall, A.B., 1924, Cornell University	Nyack, N. Y.
Latona, Joseph A., Cornell University*	Garfield, N. Y.
McEwan, Duncan T., Cornell University*	Cooperstown, N. Y.
Nowicki, Valentine A., Cornell University*	Yonkers, N. Y.
Nyi, Tsung Tsong, A.B., 1924, Smith College	Northampton, Mass.
Perry, Madeline, A.B., 1924, Cornell University*	Ithaca, N. Y.
Read, Joseph C., Cornell University*	Denver, Colo.
Shaeffer, Joseph R., Jr., Cornell University*	Ballston Spa, N. Y.
Sheldon, Elroy F., A.B., 1922, De Pauw University; A.M., 1924, Cornell University	Bluffton, Ind.
Spiegel, Rose, Cornell University*	New York, N. Y.
Taylor, William P., Cornell University*	Maywood, N. J.
Torrance, Calvin C., Colgate University*	Jamestown, N. Y.
Turner, Reuben, Cornell University*	New York, N. Y.
Waxelbaum, Joseph, Cornell University*	Brooklyn, N. Y.
Whitehouse, A. J., A.B., 1924, Kentucky University	Lexington, Ky.

Candidates for the Degree of Doctor of Philosophy.

Earl Albert Martin, A.B., 1914, A.M., 1916, University of Missouri	Bethany, Mo.
Hugh Ellis Morrow, B.S.A., 1904, University of Arkansas	Brooklyn, N. Y.

Graduate Students (Not Candidates for a Degree)

Conrad Frederick E. Blunke, M.D., 1923, Columbia University (Anatomy)	Brooklyn, N. Y.
Abraham Caesar, M.D., 1904, Cornell University, B.S., 1918, New York University (Anatomy)	New York, N. Y.
William Harold Chambers, Ph.D., 1920, Washington University (Physiology)	White Plains, N. Y.
Frederick Carl Christensen, M.D., 1908, Marquette University, (Ophthalmology)	New York, N. Y.
Mary Conklin, A.M., 1923, Columbia University (Anatomy)	Princeton, N. J.
John Harold Morris, A.B., 1911, M.D., 1914, Cornell University, (Anatomy)	Ithaca, N. Y.

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*Admitted under Clause II.

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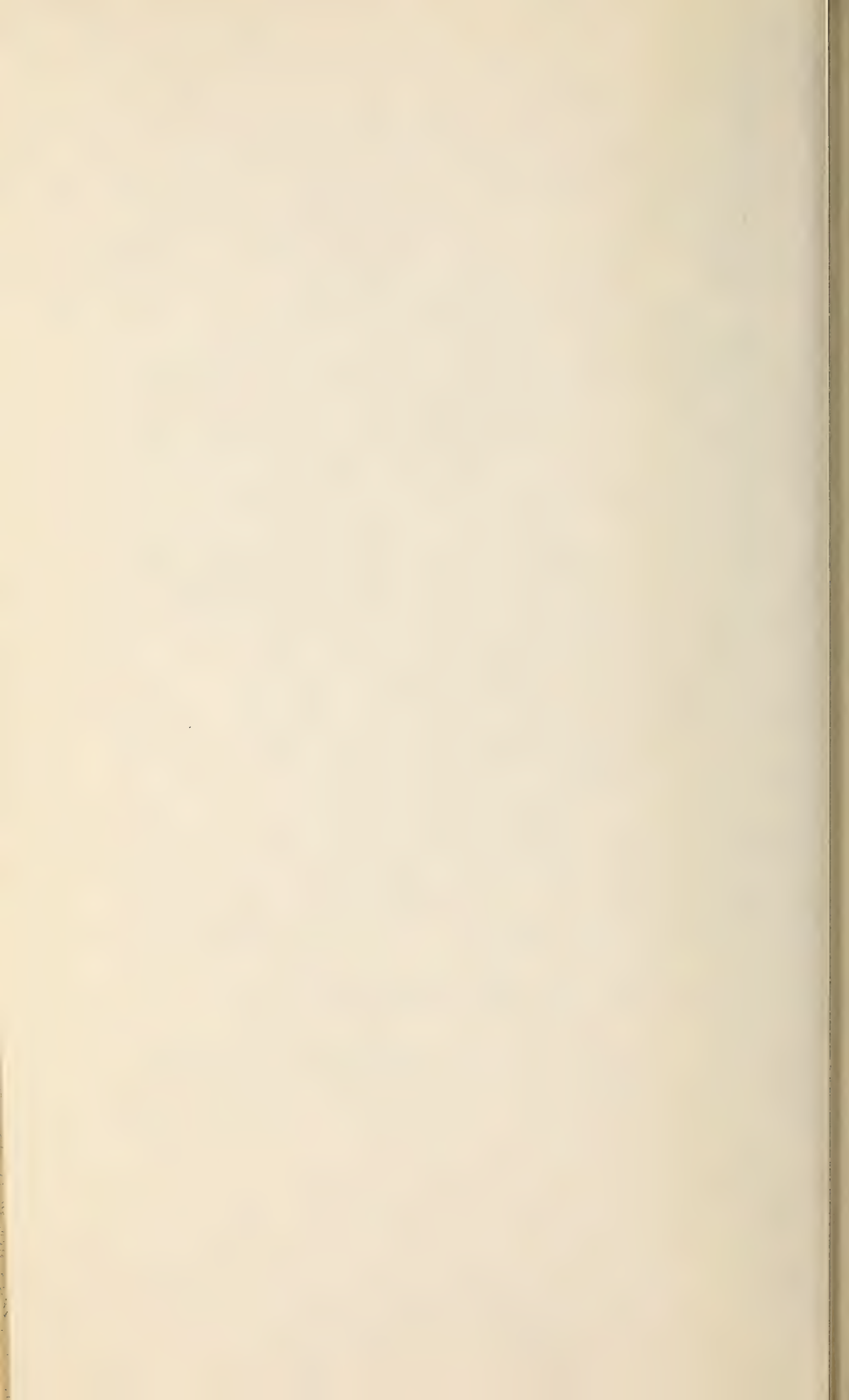
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SECRETARY, Cornell University Medical College,
Stimson Hall, Ithaca, N. Y.





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C O R N E L L U N I V E R S I T Y M E D I C A L B U L L E T I N

VOLUME XV

1926-27

NUMBER 3

A N N O U N C E M E N T O F T H E M E D I C A L C O L L E G E N E W Y O R K A N D I T H A C A 1926

JANUARY, 1926
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477 FIRST AVENUE
NEW YORK CITY

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Reprinted Studies from the Several Departments of the Medical College
and its Research Laboratories

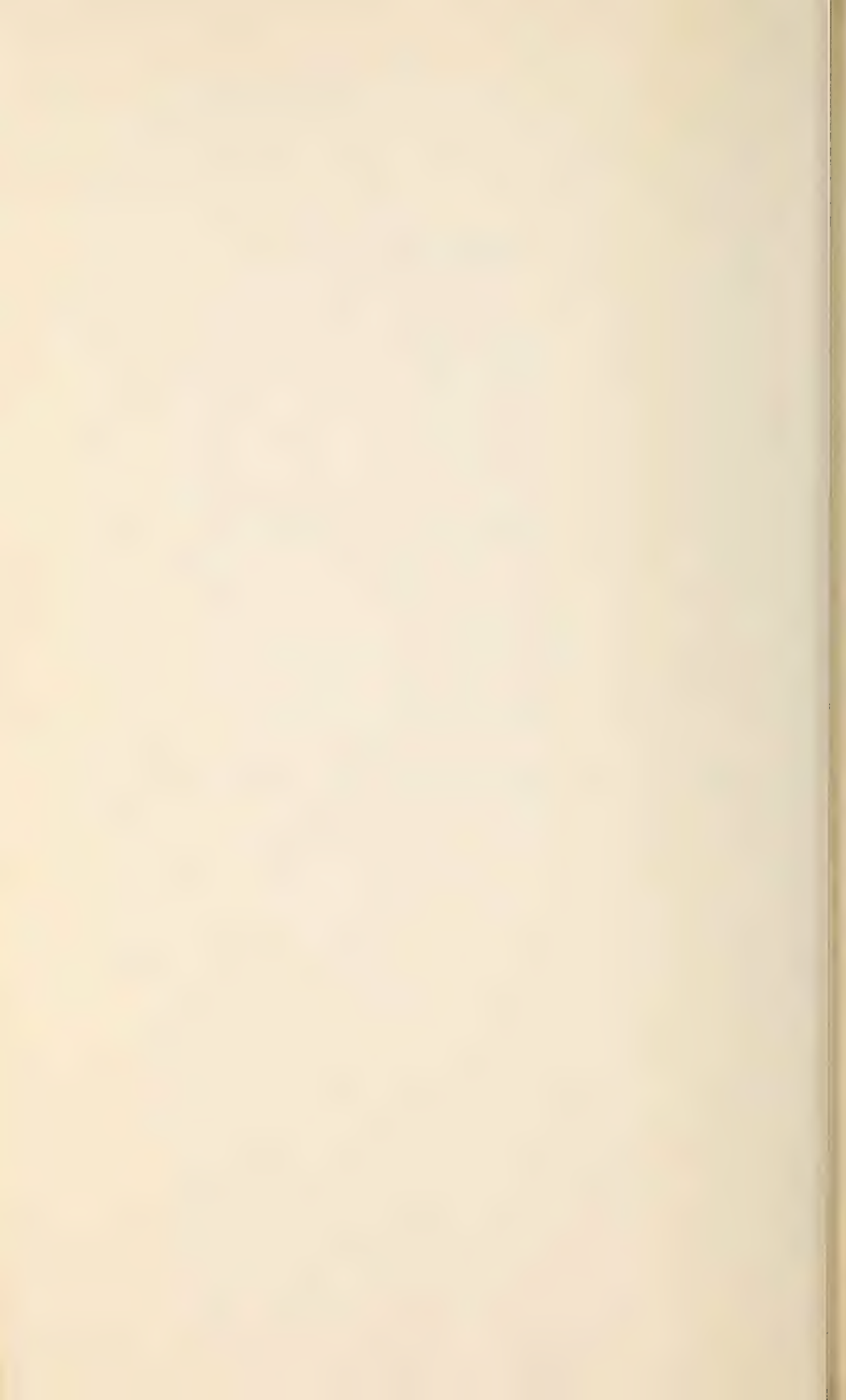
C O R N E L L
U N I V E R S I T Y
M E D I C A L B U L L E T I N

A N N O U N C E M E N T
OF THE
M E D I C A L C O L L E G E
NEW YORK AND ITHACA
1926

JANUARY, 1926
PUBLISHED BY CORNELL UNIVERSITY
477 FIRST AVENUE
NEW YORK CITY

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CALENDAR

1926

- Jan. 4. Monday, 9 A.M.—Christmas recess ends. Second term begins.*
- Feb. 22. Monday—Legal holiday.
- March 13. Saturday, 6 P.M.—Second term ends.*
- March 15. Monday, 9 A.M.—Third term begins.*
- April 1. Thursday, 6 P.M.—Easter recess begins.
- April 5. Monday, 9 A.M.—Easter recess ends.
- May 29. Saturday, 6 P.M.—Third term ends.
- May 31. Monday—Legal holiday.
- June 1. Tuesday—Examinations begin.
- June 10. Thursday—Commencement.
- Sept. 13. Monday—Examinations begin for admission to the first year of all departments of Cornell University at Ithaca, N. Y.
- Sept. 21. Tuesday—Examinations begin for conditioned students and for those applying for advanced standing in the Medical College at New York City.
- Sept. 27. Monday—Last day for Registration.
- Sept. 28. Tuesday, 9 A.M.—Instruction begins.
- Oct. 12. Tuesday—Columbus Day, legal holiday.
- Nov. 2. Tuesday—Election Day, legal holiday.
- Nov. 24. Wednesday, 6 P.M.—Thanksgiving recess begins.
- Nov. 29. Monday, 9 A.M.—Thanksgiving recess ends.
- Dec. 18. Saturday, 6 P.M.—First term ends.* Christmas recess begins.

1927

- Jan. 3. Monday, 9 A.M.—Second term begins.
- Feb. 22. Tuesday—Legal holiday.
- March 12. Saturday, 6 P.M.—Second term ends.*
- March 14. Monday, 9 A.M.—Third term begins.*
- March 31. Thursday, 6 P.M.—Easter recess begins.
- April 4. Monday, 9 A.M.—Easter recess ends.
- May 28. Saturday, 6 P.M.—Third term ends.
- May 30. Monday—Legal holiday.
- May 31. Tuesday—Examinations begin.
- June 9. Thursday—Commencement.

*The session is subdivided into three terms of twelve, ten, and eleven weeks, respectively, and courses are scheduled in conformity with this subdivision.

All students must be registered at the secretary's office at or before the opening of the session. No student will be admitted after Registration Day without special permission of the Faculty. Immediately after registration the fees must be paid at the treasurer's office.

Any student may take the first year at either New York City or Ithaca. All students take the last three years at New York City only.

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At the foundation of the Medical College the following resolution establishing a Medical College Council and determining its functions was adopted by the Board of Trustees of Cornell University.

Resolved, That for the purpose of making recommendations to the Board of Trustees or the Executive Committee in relation to the business management of the Medical College there be established, and there is hereby established, a Medical College Council which shall consist of seven members, to wit: the President of the University (who shall be *ex-officio chairman*), the Dean of the Medical College, and three trustees to be elected by the Board of Trustees or the Executive Committee, who shall be appointed, one for one year, one for two years, and one for three years, and their successors to be appointed for three years, and two members of the Faculty, to be elected by the Faculty, who shall be appointed, one for one year and one for two years, and their successors to be appointed for two years, and that all appointments to fill vacancies be made for unexpired terms.

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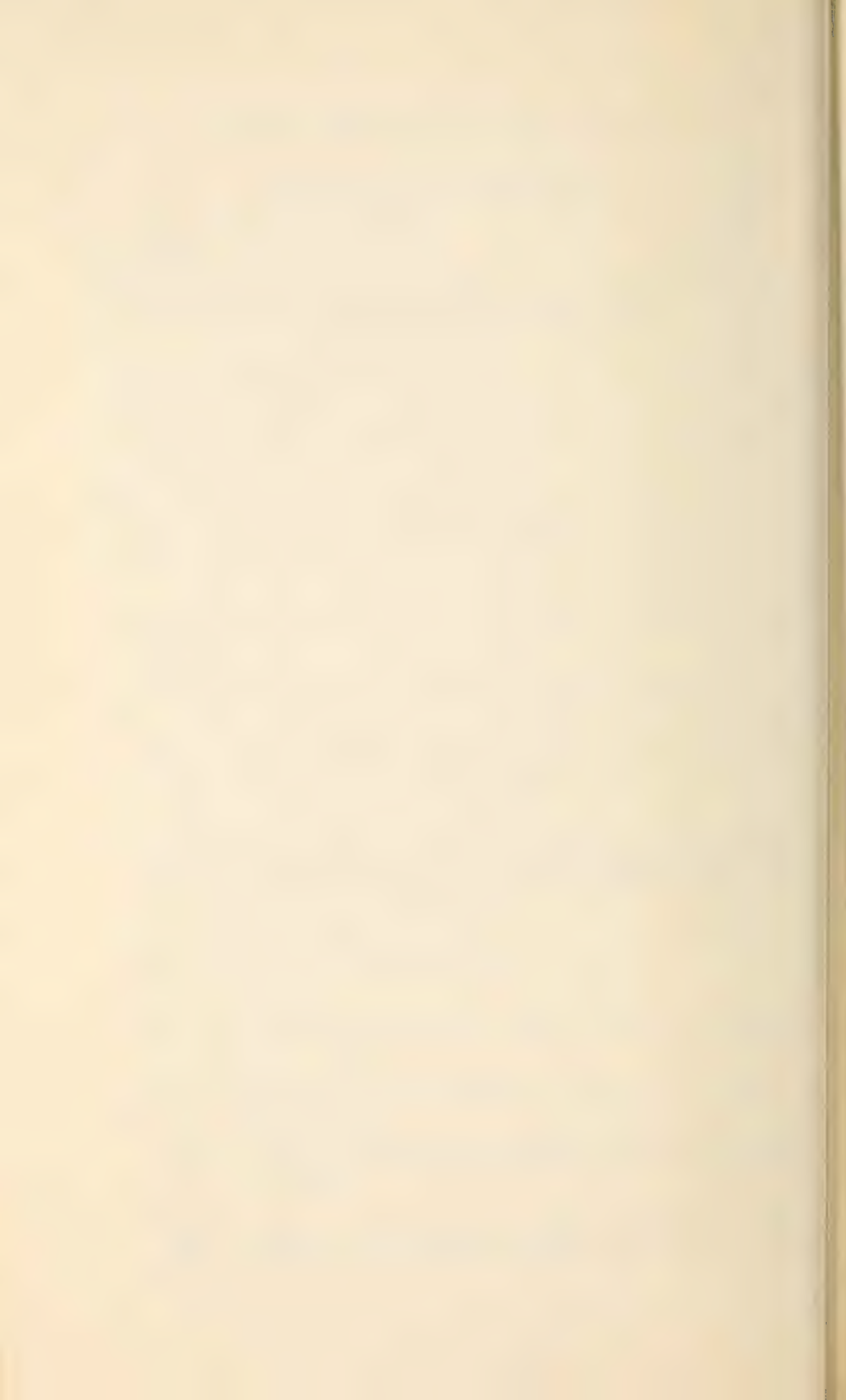
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Assistant Professor of Clinical Surgery, Attending Surgeon to the French Hospital, Associate Attending Surgeon to New York Hospital, Consulting Surgeon to the Bedford Reformatory, and to St. Faith's Hospital, Tarrytown, N. Y.

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Correction: The title of JOHN W.
CHURCHMAN, M.D., should read
Associate Professor of Experimental
Therapeutics.

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HARRY A. BRAY, M.D.,

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LYNN A. HOAG, M.D.,

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- NELSON W. CORNELL, A.B., M.D.,
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Attending Surgeon

MAX HALPERN, D.D.S.

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GUSTAVE T. RUCKERT, PH.G.

Assistant Pharmacist

CHARLES LENZ, PH.G.

GENERAL STATEMENT

GENERAL STATEMENT.

The Medical Department of Cornell University was made possible by the gift to the University of a commodious and fully equipped building designed for medical instruction, and by the bestowal of funds for the maintenance of a vigorous school of medicine.

The objects of this school are:

- (1) To develop physicians of the best type, and
- (2) To conduct researches into the nature and cure of disease.

The school offers educational and research facilities to all undergraduates and graduates in medicine who are properly qualified to benefit from these opportunities and who are in sympathy with these aims.

The Main College Building comprises a Medical School and Dispensary, with principal entrance on First Avenue, opposite Bellevue Hospital, and occupies the entire block between Twenty-seventh and Twenty-eighth Streets on First Avenue. The building is devoted to the Departments of Anatomy, Clinical Pathology, Chemistry, Pathology, Bacteriology, Physiology, Medicine and their laboratory equipment.

The Loomis Laboratory (founded 1886 by the same munificent hand) serves the purpose of undergraduate instruction, in connection with the laboratories in the College building. It has also been reorganized as a research laboratory, and special departments have been established in bacteriology, physiological chemistry, experimental medicine and pharmacology.

The Cornell University Medical College Clinic, located in the main College building, is fully equipped for purposes of instruction.

The attendance in the Clinic averages about 475 patients daily and annually includes about 18,000 new patients. The organization is such as to bring the Clinic into closest touch with the Laboratory and research facilities of the College.

The Department of Roentgenology as well as the Laboratory of Clinical Pathology, is in direct connection with the Clinic, and by co-operation and co-ordination of work their services are placed at the constant disposal of the various other departments of the Clinic for the diagnosis and investigation of disease and for purposes of instruction.

The Library is supplied with current periodicals in German, French, English and Italian, which include nearly all the more important journals in the field of medical science, and the back files of these periodicals are fairly complete. There is also a students' library of recent textbooks. Every effort is made to maintain a library commensurate with the needs of the College. A special reading room is provided for the convenience of students. A trained Librarian is in attendance to supply references and direct their work.

In addition to the College Library, students enjoy certain privileges at the Library of the New York Academy of Medicine, 17 West 43rd Street, the second largest medical library in the United States, and at the various public libraries of the city.

CORNELL UNIVERSITY MEDICAL COLLEGE

New York Hospital.—The Medical College, through the courtesy of the Governors of the New York Hospital, has long been accorded certain privileges for instruction in its wards; but on the first of January, 1913, a definite arrangement was established between Cornell University and the New York Hospital, through the donation to the hospital of a generous fund by Mr. George F. Baker, a Governor of the Hospital, upon the condition that thereafter the pathological and half the entire medical and surgical services of the institution should be definitely assigned to the Cornell University Medical College for the advancement of its teaching and research.

By this most advantageous arrangement the University nominates the Visiting Staff of its division and the Laboratory Staff and secures the admission of its students to the wards as clinical clerks, thereby enabling the College to make a definite provision in its course of instruction and research for work in the New York Hospital. Furthermore, the Laboratory Staffs of the different departments of the Medical College are placed at the service of the Hospital for the purpose of extending its scientific work.

The hospital service thus assigned to the College comprises 100 beds. This service is exceedingly active. It includes several thousand acute and emergency cases brought in annually from a large ambulance and dispensary district.

The medical staff of this hospital assigned to the Cornell University Medical College has been organized as outlined in the departmental announcements for medicine and surgery.

The Professors of Medicine and Surgery are directly responsible to the University for the conduct of the instruction in the New York Hospital.

Bellevue Hospital.—This hospital, located on First Avenue, directly opposite the Main College building, has 1,200 beds, and receives 24,000 patients annually.

The hospital is organized in four divisions, one of which has been placed by the Trustees of the hospital at the disposal of the Faculty of the Cornell University Medical College for medical instruction. The services thus intrusted to the College include, continuously, 90 medical beds, 90 surgical beds, 60 to Urology, a Neurological Service, and for one-half the year 54 obstetrical beds, together with equal privileges with the other three divisions, giving continuous opportunity for instruction and research in the additional wards devoted to the treatment of alcoholic diseases, tuberculosis and the psychopathic diseases. There are also available 60 beds for instruction in Gynecology by members of the staff assigned to this duty by the Cornell University Medical College.

The visiting staff of the Second, or Cornell Division is drawn entirely from the Faculty and instructors of the College, and by co-operation with the Medical Board of the Hospital this division has been organized with a view to the best interests of the patients, as well as with a view to furnishing adequate facilities for instruction. The students spend a considerable portion of the fourth year in this hospital as clinical or surgical "clerks," and during the preceding years frequent clinical instruction is conducted in its wards, as fully described under "Details of the Plan of Instruction."

GENERAL STATEMENT

While Bellevue Hospital is provided with an elaborate Department of Pathology of its own, the scope of the hospital work of the Cornell Division is broadened by the intimate relation existing between the laboratories of the Medical College and the medical service of the hospital. In addition to the staff provided by the hospital, the College maintains a corps of research workers and special assistants who conduct their routine examinations in extension laboratories equipped by the College in rooms adjacent to the wards of the hospital, and who consummate their major investigations in the more completely equipped laboratories of the College building.

The Professors of Medicine and Surgery are directly responsible to the University for the conduct of the instruction in Bellevue Hospital.

Memorial Hospital.—Through the generosity of the late Dr. James Douglas, who provided the Hospital an endowment for the study and treatment of cancer and allied diseases, the Memorial Hospital became affiliated in 1914 with Cornell University Medical College.

The conditions upon which this union was consummated place upon Cornell University Medical College the responsibility for the medical and surgical activities of the Hospital, subject however, so far as administrative action is concerned, to the approval of its Board of Managers. Cornell University Medical College is required to approve the five medical members of the Board of Managers of the Memorial Hospital and to nominate their successors in case of vacancies, and to name the medical and surgical staff, subject to the approval of the Board of Managers of the Hospital.

In accordance with these conditions, and with the approval of the Board of Managers of the Hospital, the Medical Staff has been organized as follows:

- JAMES EWING, M.D., *President of the Medical Board, Director of Cancer Research, Pathologist.*
- WILLIAM B. COLEY, M.D., *Vice-President of the Medical Board, Professor of Cancer Research, Attending Surgeon.*
- WILLIAM S. STONE, M.D., *Clinical Director.*
- STANLEY R. BENEDICT, PH.D., *Director Department of Chemistry.*
- BURTON J. LEE, M.D., *Attending Surgeon.*
- BENJAMIN S. BARRINGER, M.D., *Attending Surgeon, Urological Department.*
- DOUGLAS QUICK, M.D., *Attending Surgeon.*
- WILLIAM P. HEALY, M.D., *Attending Gynecologist.*
- RALPH E. HERENDEN, M.D., *Physician to Roentgen Ray Department.*
- NATHAN GREEN, M.D., *Assistant Surgeon.*
- FRANK E. ADAIR, M.D., *Assistant Surgeon.*
- DAVID H. M. GILLESPIE, M.D., *Assistant Surgeon.*
- BRADLEY L. COLEY, M.D., *Assistant Surgeon.*
- SAMUEL C. JOHNSON, M.D., *Assistant Surgeon.*
- ARCHIE L. DEAN, JR., M.D., *Assistant Surgeon, Urological Department.*
- LLOYD F. CRAVER, M.D., *Assistant Physician.*
- CONDE DES. PALLAN, M.D., *Assistant Gynecologist.*
- GEORGE C. ANDREWS, M.D., *Dermatologist.*

CORNELL UNIVERSITY MEDICAL COLLEGE

GEORGE E. BINKLEY, M.D., *Clinical Assistant.*
HARRY LANDESMAN, M.D., *Anaesthetist.*
GIOACCHINO FAILLA, E.E., D.Sc., *Physicist.*
EDITH H. QUIMBY, M.A., *Assistant Physicist.*
MAX CUTLER, M.D., *Assistant Pathologist.*
RUTH THEIS, A.B., *Chemist.*
KANEMATSU SEGUIRA, A.M., *Associate Chemist.*
ELISE S. L'ESPERANCE, M.D., *Serologist.*
JOHN C. TORREY, M.D., *Bacteriologist.*
HALSEY J. BAGG, PH.D., *Research Fellow in Biology.*

The John E. Berwind Maternity Clinic.—An affiliation having been consummated between the John E. Berwind Maternity Clinic and Cornell University Medical College, the medical direction of the Clinic is placed under the control of Cornell. The medical staff including the resident and house staffs are appointed by the Clinic, only on nomination by the Medical College.

Cornell students are definitely assigned to the Clinic for practical instruction under the direction of the Professor of Obstetrics and Gynecology.

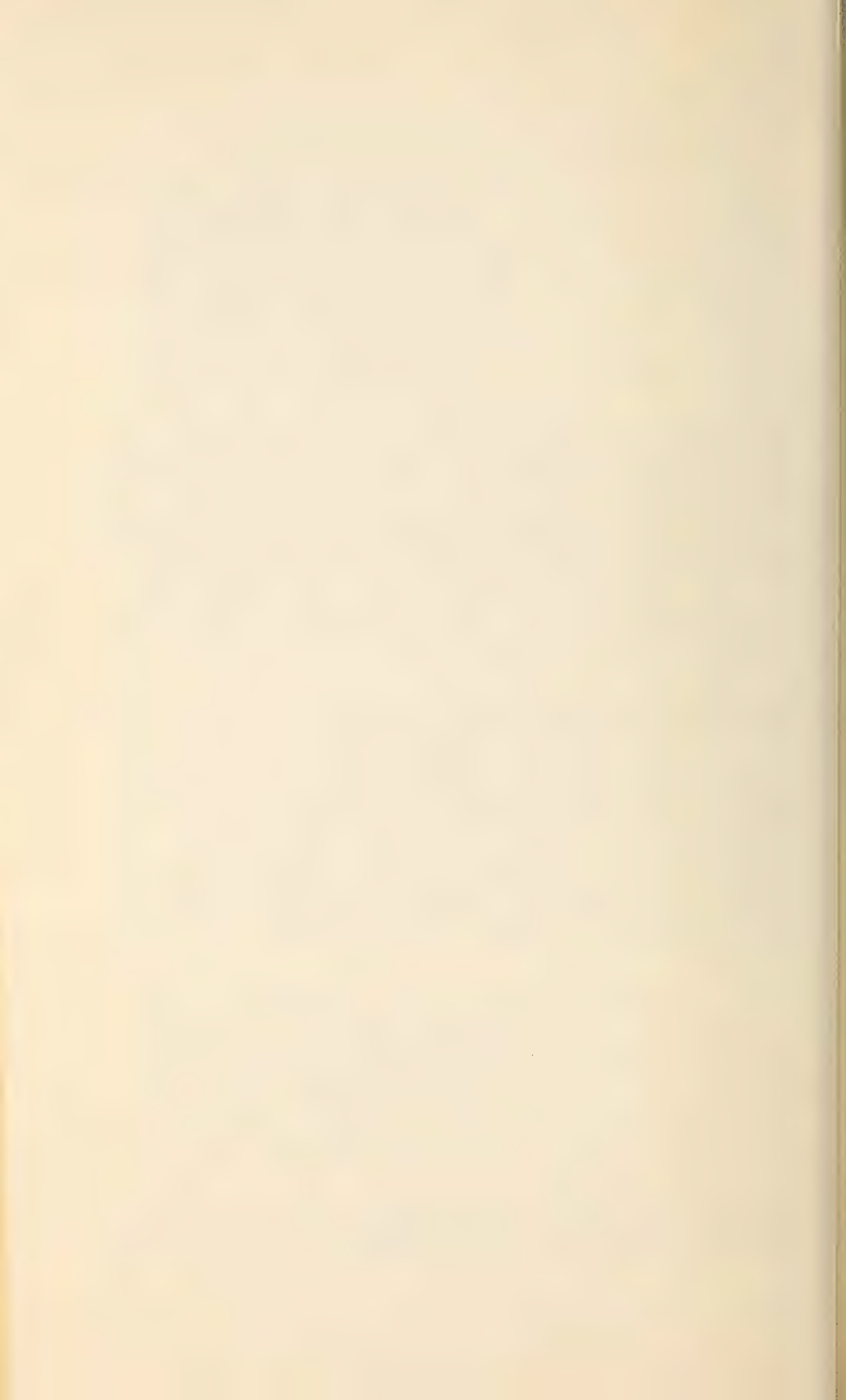
Cornell students having been provided for, vacancies in the student staff will be filled by appointment. Application for such assignments should be made to the Superintendent of the Clinic at 125 East 103rd Street, New York City.

The Russell Sage Institute of Pathology.—The Russell Sage Institute of Pathology has been affiliated with the Second Medical (Cornell) Division of Bellevue Hospital since 1913. Endowed by Mrs. Russell Sage in 1907, it has provided funds for research work in pathology and medicine. Laboratory space has been generously given by the trustees of Bellevue Hospital and clinical facilities have been furnished by the Cornell Medical Division. The Institute has constructed and equipped a respiration calorimeter and has maintained a metabolism ward adjacent to the general wards of the division. The research workers have been members of the hospital staff and have assisted in the care of patients and the instruction of students. The metabolism ward, chemical laboratories and calorimeter furnish unusual facilities for teaching the diseases of metabolism.

The staff is as follows:

GRAHAM LUSK, PH.D., *Scientific Director.*
EUGENE F. DU BOIS, M.D., *Medical Director.*
HENRY B. RICHARDSON, M.D., *Research Fellow.*
R. R. HANNON, M.D., *Research Fellow.*
EPHRAIM SHORR, M.D., *Research Fellow.*
S. F. SODERSTROM, *Calorimeter Technician.*
MARJORIE LE MOINE, R.N., *Head Nurse.*

The New York Nursery and Child's Hospital.—By courtesy of the Trustees of this Hospital, Cornell Students are there instructed in Pediatrics. The Hospital offers splendid opportunities for the study of infants and children.



GENERAL STATEMENT

There are seventy two beds on the Pediatric service, and in addition there is in the same building an active maternity service.

The out patient department has an average yearly attendance of 8,000 infants and children, with special classes in Feeding; Malnutrition; Syphilis; Eczema and Cardiac diseases. Both the indoor and outdoor services are utilized for teaching purposes. The members of the teaching staff have official connection with the hospital.

The Neurological Institute.—By courtesy of the Neurological Institute section work in Nervous Diseases is offered to third and fourth year students in the wards and Out-Patient Department of this hospital, the students being assigned for ward work in small sections during the third and fourth years. The Neurological Institute is a hospital of considerable size, devoted to the care of nervous diseases and possessing a complete equipment for neurological examinations, diagnosis and treatment.

Psychiatric Institute, Ward's Island.—The Professor of Psychiatry is Director of the Psychiatric Institute, which is the teaching and research center for the entire New York State Hospital system. The lecture rooms, pathological material and clinical facilities of the Institute are available for the teaching of medical students.

Manhattan State Hospital, Ward's Island.—This hospital for the care and treatment of mental diseases, accommodates over 5,000 patients. Through the courtesy of the Superintendent the Professor of Psychiatry is enabled to utilize this clinical material for bedside study of patients and practical exercises and demonstrations conducted in the wards of the hospitals.

Other Hospitals.—In addition to the above, members of the Faculty of Cornell University Medical College hold appointments in various hospitals and dispensaries of the city, and are thus enabled to utilize for teaching purposes a great quantity and variety of clinical material. This is used from time to time as necessity or opportunity arises. The major part of the bedside and clinical instruction is, however, purposely conducted in Bellevue Hospital, which is directly opposite the College, and in New York Hospital, which is conveniently located on Fifteenth Street, and may be reached by surface cars in fifteen to twenty minutes.

CORNELL UNIVERSITY MEDICAL COLLEGE

REQUIREMENTS FOR ADMISSION

The Faculty of the Cornell University Medical College are of the opinion that candidates for admission to the medical profession should possess the liberal culture and general education implied by a college degree in Arts or Science. Since 1907 a standard of admission which requires the baccalaureate degree or its equivalent has been rigidly maintained. Without attempting to enter into a discussion of the relative advantages of the courses in Science or Arts, the President and Trustees of Cornell University adopted the requirements advised by the Faculty of the Medical College for admission to the course leading to the degree of M.D. and *only the following classes of candidates are admitted to the Cornell University Medical College:*

- I. Graduates of approved colleges or scientific schools; or—
- II. Seniors in good standing in approved colleges or scientific schools upon condition that their faculty will permit them to substitute the first year in the Cornell University Medical College for the fourth year of their college course, and will confer upon them the bachelor's degree* upon the satisfactory completion of the years's work; or—
- III. Persons who give evidence by examinations that they have acquired an equivalent education to that signified by a bachelor's degree, and training sufficient to enable them to profit by the instruction offered in the Medical College.

All Candidates for Admission, whether of group I, II, or III, shall have satisfactorily completed in an approved college, at least the following minimum in—

1. Physics, 8 semester hours, including laboratory.
2. Chemistry, 12 semester hours (8 hours of inorganic, including both qualitative and quantitative analysis and 4 hours of organic chemistry). The course should have included at least fifty hours of didactic work not less than eighty hours of laboratory work in inorganic chemistry; and at least 70 hours each of laboratory work in *qualitative* and in *quantitative analysis*. In addition, the candidate shall have satisfactorily completed courses in at least 36 hours of didactic and 80 hours of laboratory work in *organic chemistry*.
3. Biology (Zoology), 6 semester hours, including laboratory work.

Note.—In addition to this minimum requirement, a course in General Histology with Embryology including the early development of the frog and chick is very desirable. Courses in the Comparative Anatomy of Vertebrates and Elementary Histological Technique are also recommended.

4. English, 6 semester hours.
5. Modern language, 6 semester hours—French, German, Italian or Spanish.
6. Two additional semester hours of college credit will be required in each of the three subjects, Biology, English and Modern language, in which no introductory high school course was offered for admission to college.

*No student under the clause is permitted to enter the second year of the medical curriculum without the bachelor's degree obtained after at least three years of undergraduate college work. Clause II is intended to provide for those students who by specially directed or by specially proficient work accomplish the essential requirements for a B.S. or B.A. degree during three years of College residence.

REQUIREMENTS FOR ADMISSION

7. All applicants residing within 50 miles of New York City are required to present themselves *in person by appointment* at the office of the Secretary; their credentials should have been previously submitted. All applicants must submit with their application a recent photograph.

IV. All students entering Cornell University Medical College are required to provide themselves with a satisfactory microscope.

V. Not more than seventy-five students will be admitted to the first year in Medicine; approved applicants for advanced standing will be admitted to subsequent years only when the number registered falls below sixty. Not more than sixty students will be registered in the second, third and fourth year classes.

VI. The number of students in this Medical College having been limited that its advantages may be equalized to all parts of the state and country, not more than five students from any one college will be admitted to the first year class.

The Trustees felt that it was unfair to refuse the exceptional student of unusual abilities who has obtained independently an education equivalent to that implied by a degree from a college or scientific school, and there will therefore be examiners appointed from the faculties in the different colleges of Cornell University to determine the qualifications of such as may apply for admission under Rule III of these requirements. The committee in charge of the administration of this rule consists of the President of the University and the Deans of the Faculties of Arts and Sciences and of Medicine. The only instance of admission under Rule III yet encountered involved a graduate of a foreign institution of collegiate rank which grants no degrees.

APPLICATIONS FOR ADMISSION

All applications and communications are to be addressed to the Secretary of the Medical College from whom blank forms of application for admission may be obtained.

Prospective students will find it to their advantage to file their application early. The number of admissions being limited, to insure favorable consideration, *applications for admission to the first year should be received not later than March 1st*, and should in all cases be accompanied by a transcript of the college record to date. The required letters of recommendation from two science professors under whom the student has recently worked should be forwarded at the same time. A photograph must accompany the application.

Inasmuch as all students of medicine in New York State are required by law to have previously had an adequate preliminary education, and as this preliminary education must be certified as sufficient by the State Educational Department, it is advisable that applicants for admission send their credentials to the Secretary of the Medical College in properly attested form as promptly as possible, that the secretary may then obtain the requisite "medical student's certificate" from the State authorities.

CORNELL UNIVERSITY MEDICAL COLLEGE

ADMISSION TO ADVANCED STANDING

Applicants for advanced standing must have met in full the requirements for admission (page 26), and must have already attended the legally required number of sessions in an approved regular medical college. Whenever vacancies arise* applicants thus qualified may be admitted to the Cornell University Medical College under the following conditions:

1. A properly attested certificate of actual attendance at a registered Medical College for the full number of years of medical study for which time credit is asked must be presented and approved.

2. A certificate showing that the student has satisfactorily completed in an approved medical college the work of all required subjects of the years for which Cornell credit is asked must be presented and approved.

3. Subject credit may be granted on presentation and approval by the heads of departments of properly attested certificates stating the courses already completed in an approved medical college with the number of hours, didactic and laboratory, devoted thereto, together with the name of the instructor.

4. In the absence of approval of the certificate called for in the preceding paragraph (number 3) subject credit for advanced standing will be granted only by examination in all of the subjects previously pursued by the class to which admission is desired. For a list of the subjects for examination see page 82.

Examinations for admission to advanced standing are conducted by heads of departments and may be taken with the class at the end of the session in June or prior to the opening of the session in September. For dates of examinations, see calendar, page 5.

ADMISSION TO SPECIAL COURSES

Graduates in medicine, or students who desire to pursue a special course without graduation, are admitted to registration as special students, after approval by the head of the department conducting the course. Such special courses do not count in any way as part of the four years' course required of candidates for the degree of doctor in medicine. The courses offered to graduates are outlined on pages 87 to 90. Further information regarding such courses, fees, etc., may be obtained by addressing the Secretary of the Cornell University Medical College, 477 First Avenue, New York City.

REQUIREMENTS FOR LICENSE TO PRACTICE MEDICINE IN THE STATE OF NEW YORK

Graduates of Cornell University are admitted unconditionally to the examinations for license to practice medicine in the State of New York as well as all other states. Further information as to the nature of the requirements of the

*The three upper classes are limited to sixty students each. See Rule V, page 27.

REQUIREMENTS FOR ADMISSION

New York State law regulating the practice of medicine may be obtained by consulting the handbook issued for gratuitous distribution by the New York State Education Department at Albany, N.Y.

All requirements for admission to examinations for licensure should be filed with the State Education Department at least one week before examination.

Examinations for license to practice medicine in this State will be held as follows:

1925

Jan. 25-28

June 28—July 1

Sept. 20-23

Places.

New York, Albany, Syracuse, Buffalo.

NATIONAL BOARD OF MEDICAL EXAMINERS

Graduates of the Cornell University Medical College are admitted to the examinations of this Federal Board, whose certificates are accepted by the Surgeons-General of the Army, Navy and Marine Corps of the United States and by the Boards of Medical Licensure of many States. The dates and places of examination will be announced as promulgated by the Board.

CHARGES FOR INSTRUCTION

First Year.

Matriculation	\$10.00
Tuition	500.00
	————\$510.00*

Second Year.

Tuition	\$500.00
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Third Year.

Tuition	\$500.00
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Fourth Year.

Tuition	\$500.00
Final Examination fee.....	25.00
	————\$525.00*

*An advance payment of \$50.00 on account of tuition is required on acceptance of an application for admission, and is not returnable.

The matriculation fee is payable only once, on entrance.

The final examination fee is payable on registering for graduation. All other fees are payable at the beginning of the term, but in special cases the tuition fee may be paid semi-annually in advance. Owing to the limitation in size of the classes, no refund nor rebate will be made in any case.

CORNELL UNIVERSITY MEDICAL COLLEGE

Each student is required to pay the clerk of the College the following amounts to cover breakage in the Laboratories and Dispensary departments:

1st year, Laboratory and Clinic	\$10.00
2d year, Laboratory and Clinic	10.00
3d year, Laboratory and Clinic	10.00
4th year, Laboratory and Hospital	10.00

These deposits, less the amount charged for breakage, will be returned at the end of each year.

All fees for instruction are paid to the office of the Managing Clerk.

Tickets must be taken out and paid for at the beginning of the session.

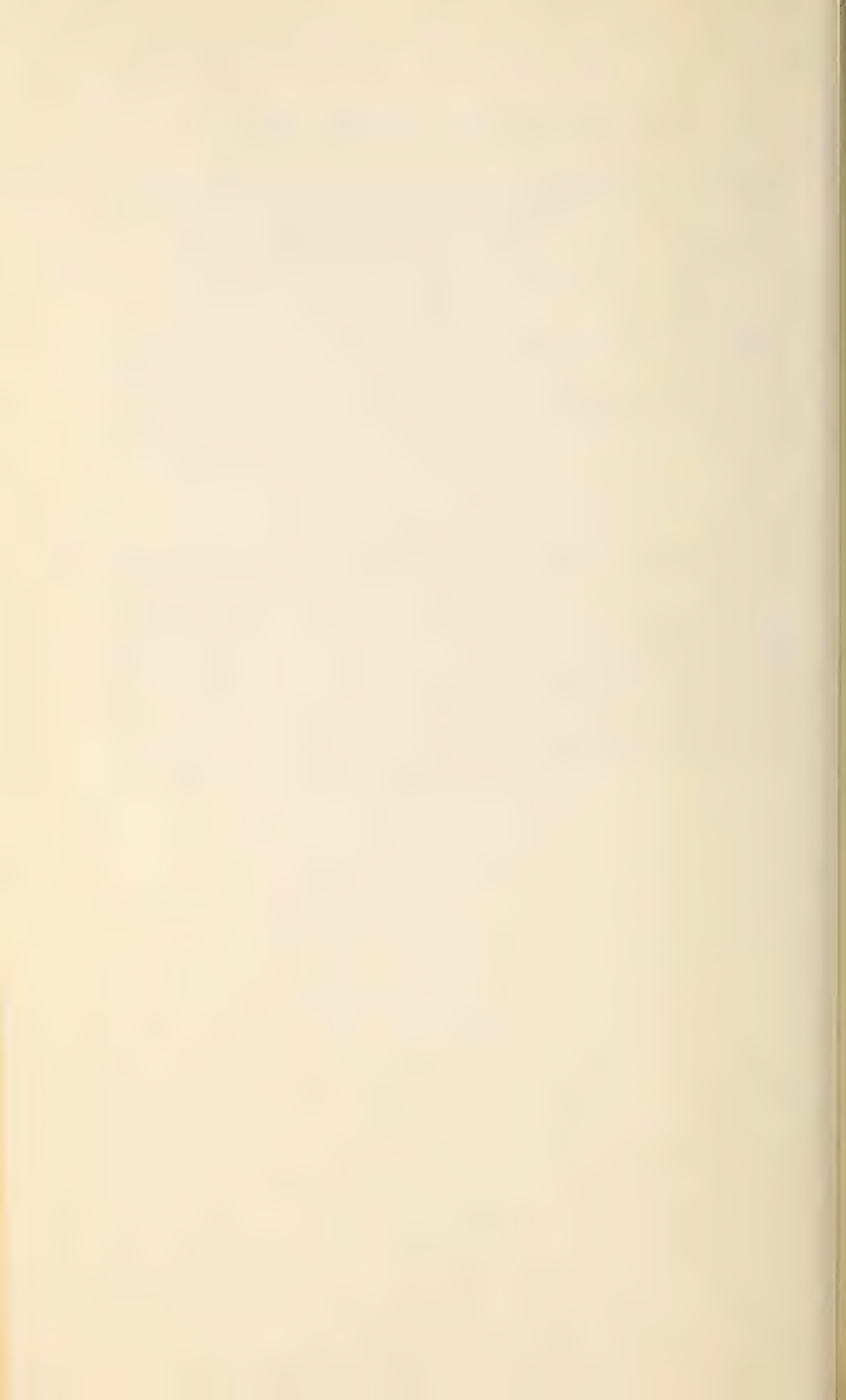
For Fees of Special Students see pages 87 to 90.

For Fees of Graduate Students see page 91.

LOCATION AND MODE OF ACCESS

The main building of Cornell University Medical College is located on First Avenue between 27th and 28th Streets.

The crosstown cars on Twenty-third and Thirty-fourth Streets, at First Avenue, pass within five blocks of the College buildings. Convenient stations of the Subway lines are located at Twenty-eighth Street and Fourth Avenue, at Twenty-eighth Street and Broadway, and Twenty-eighth Street and Seventh Avenue. The nearest stations of the Manhattan Elevated Railroad are at Twenty-eighth Street on the Third and Sixth Avenues lines and at Twenty-third Street on the Second Avenue line. The Hudson Tubes station is at Twenty-eighth Street and Sixth Avenue.



GENERAL STATEMENT OF THE PLAN OF INSTRUCTION.

The function of a Medical Department in a University is primarily to produce practitioners of medicine of the highest possible efficiency. The school must include among its students not only those whose life is to be spent in the treatment of disease, but those who intend to become teachers of medicine or of the branches of natural science upon which medicine depends, as well as those who devote their energies to advancing these sciences by research and to work connected with the public service. The Medical Department of the University has therefore developed into a school whose students are to be prepared to become practitioners of medicine and surgery, teachers of these subjects and their subsidiary branches, and investigators of biological problems which pertain to human disease and "preventive medicine." To reach this ideal, and to relieve the Medical Department from instruction in subjects which belong to natural science in general and not strictly to the medical curriculum, it is necessary that the students should have received the best possible preliminary education which must include the mental training implied by the *baccalaureate degree*.

In arranging the course of study the subjects pertaining to pure, rather than applied, science are grouped in the first year of the medical course, those of the applied science in the early part of the second year, and the so-called clinical subjects in the second, third and fourth years.

The fourth year of the medical curriculum is devoted largely to clinical instruction in the various aspects of medicine and surgery, with bedside instruction and ample opportunity for the careful study of cases by continuous service in the hospital wards. Some opportunity for elective courses is allowed, but all students must take at least the minimum amount of the subjects which form the basis of the general practitioner's usefulness, and all are thus necessarily prepared for successfully undergoing the usual competition for appointments as hospital internes, positions in the public service of the State and Nation, and examinations for licensures by the States.

Any student of exceptional fitness, however, after having completed the first three years' work and who then desires to devote the major part of his time to one or more of the laboratory departments may do so during the fourth year. Such an arrangement can be made only with the approval of the Dean and the heads of the departments concerned. The departments in which the student is engaged shall then determine whether his work has given such satisfaction as would warrant the degree at the end of the year.

Custom and experience are in favor of a long summer vacation, and the utilization of the cool months alone for teaching. The Faculty have therefore decided on a period of thirty-two actual working weeks exclusive of the time occupied by holidays and examinations. This working period is

CORNELL UNIVERSITY MEDICAL COLLEGE

divided into three terms the first of twelve, the second of ten, and the third of eleven weeks. By this arrangement it is possible to obtain a certain degree of "concentration" in the teaching of those subjects in which that plan is advantageous, and it is thus also possible to maintain a proper sequence in the curriculum.

The extensive opportunity for continuous ward work afforded by the curriculum of the third and fourth years in no wise replaces the valuable work afforded by hospital internship, but is in a way preparatory thereto. Every graduate of this medical school is expected to pursue the usual interne service in some hospital, our graduates having little or no difficulty in obtaining the best positions under competitive examinations in addition to those appointments directly and indirectly controlled by this College. Without prolonged hospital training no physician should attempt to practice nor to teach; and no specialist can be worthy of the name who has not had the broad foundation insured by such a service.

For details of the course see Departmental Announcements, which follow, and the scheduled curriculum, pages 72 to 81.

DETAILS OF THE PLAN OF INSTRUCTION

DETAILS OF THE PLAN OF INSTRUCTION.

THE DEPARTMENT OF ANATOMY.

CHARLES R. STOCKARD, M.S., Ph.D., M.D., Sc.D., *Professor of Anatomy.*
CHARLES V. MORRILL, A.M., Ph.D., *Associate Professor of Anatomy.*
ROBERT CHAMBERS, JR., A.M., Ph.D., *Professor of Microscopic Anatomy.*
GEORGE PAPANICOLAOU, Ph.D., M.D., *Assistant Professor of Anatomy.*
JOSE F. NONIDEZ, Sc.D., *Associate in Anatomy.*
PAUL REZNIKOFF, B.S., M.D., *Associate in Anatomy.*
HALSEY J. BAGG, Ph.D., *Associate in Anatomy.*
WILLIAM L. SNEED, M.D., *Instructor in Applied Anatomy.*
LOUIS HAUSMAN, A.B., M.D., *Instructor in Neuro-Anatomy.*
PHILIP B. ARMSTRONG, B.S., *Assistant in Anatomy.*
CONSTANTINE V. GRAND, *Assistant in Anatomy.*
RUSSEL H. PATTERSON, B.S., M.D., *Assistant in Applied Anatomy.*

I. Morphology.

Structure of Man.—This course considers the structure of the various organs and systems of the human body in the light of their variations and evolutions. The relationship of the parts of the organs and systems are also explained by numerous facts gathered from experimental morphological studies on lower vertebrates.

The chief aim is to instill into the student the idea that animal structures are constantly changing and varying, yet are so definite as to lend themselves to logical analysis.

Laboratory, 40 hours (elective), and demonstration conferences, 22 hours (optional).

Text-books.—Wiedersheim's *Comparative Anatomy* and *Bau des Menschen*, Wilder's *History of Man*, together with special works and monographs on the subject.

Professor Stockard.

II. Embryology and Histology.

The work in *embryology* presupposes a general knowledge of the subject, particularly that of the early development of the chick. It embraces a thorough study of the development of the mammalian embryo in the light of our knowledge of the evolution of the human body. Malformations resulting from developmental disturbances are broadly considered. A feature of the course is the close correlation with the course in *gross anatomy*.

The work in *histology* includes the histogenesis and microscopic structure of all of the organs of the human body with the exception of the central nervous system (see *neuro-anatomy*). Emphasis is laid on the relation of structure to function.

The tissues are studied principally by means of stained sections and drills are given for a rapid identification of their diagnostic features. Demonstrations of living material are made and opportunities are offered for acquiring the essentials of histological technique.

CORNELL UNIVERSITY MEDICAL COLLEGE

A part of the course is devoted to seminars on current literature.

Laboratory course and lectures—258 hours, October to March. Required of all first year students.

Text-books.—Prentiss, *Developmental Anatomy*; Lewis, *Text-book of Histology*; Keith, *Human Embryology and Morphology*; Schäfer, *Microscopic Anatomy*; scientific journals.

Professor Chambers, Dr. Nonidez and assistants.

III. Neuro-Anatomy.

A laboratory course on the gross and microscopic anatomy of the human central nervous system. Especial emphasis is laid on the more important pathways and their functions.

Laboratory and demonstrations, 88 hours. Required of all first year students during the third term.

Text-books.—Ranson, *Anatomy of the Nervous System*; Villiger's *Brain and Spinal Cord*; Herrick's *Introduction to Neurology* and any of the text-books of anatomy used in Course IV.

Associate Professor Morrill and Drs. Nonidez and Hausman.

IV. Gross Anatomy of the Human Body.

This is taught by means of laboratory exercises and dissections held in the dissecting room at stated hours.

The following are the courses required:

COURSE I. THE UPPER EXTREMITY.

COURSE II. THE HEAD AND NECK.

COURSE III. THE LOWER EXTREMITY.

COURSE IV. THE THORAX.

COURSE V. THE ABDOMEN AND PELVIS.

The required work in each of the above courses includes:

(a) Dissection of the part.

(b) Demonstrations, study, and recitations upon dissected and prepared specimens, and from standard text-books.

(c) An oral examination at the completion of each course.

Total laboratory hours, 350 (minimum). First and second terms of the first year.

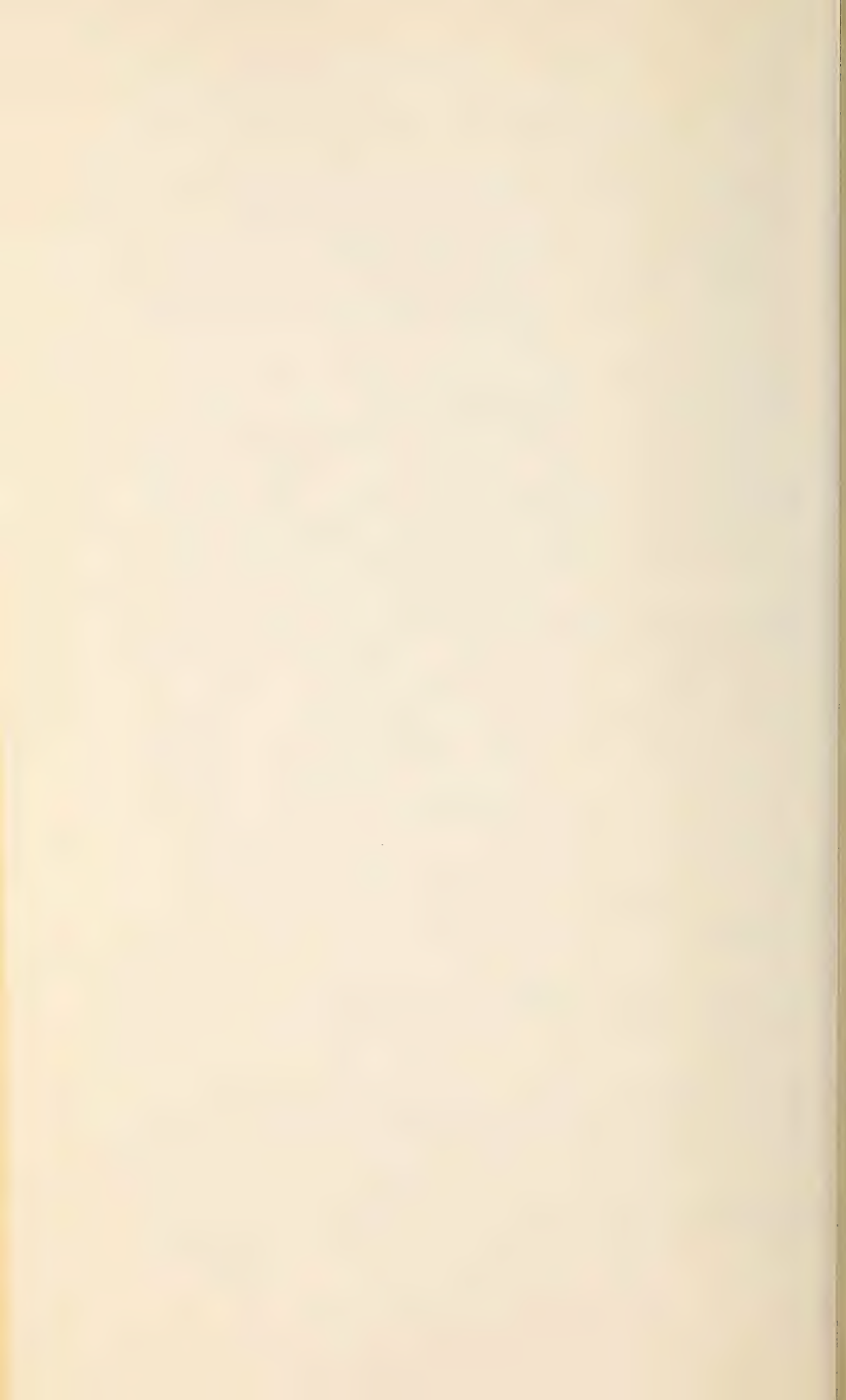
COURSE VI. A DEMONSTRATION COURSE. Optional for the first-year students. Demonstrations upon the cadaver, models and dissected preparations amplifying the courses in dissection during the first and second terms of the first year.

COURSE VII. STUDY ROOM COURSE IN LIVE ANATOMY.

Since the ultimate aim of dissection is to acquaint the student not merely with the arrangement of structures in the cadaver, but with the facts of the living body, this course follows as a natural sequence to the work of the dissecting room. Optional to first-year students.

COURSE VIII. DISSECTION REVIEW.

The work covers a repetition of Courses I-V, giving an opportunity for advanced dissection. Optional to students of the second, third or fourth year. Afternoons.



DETAILS OF THE PLAN OF INSTRUCTION

COURSE IX. TOPOGRAPHICAL ANATOMY.—A study of the relations and topography of the parts of the body by means of frozen sections. Cleared preparations and living models are also used. Members of the class must submit a number of drawings made from the sections.

Laboratory, 36 hours. Required during the first term of second year.

Text-books.—Cunningham's *Manual of Practical Anatomy*, two vols.; Cunningham's *Text-book of Anatomy*; Spalteholz's *Atlas of Human Anatomy*; Morris' *Human Anatomy*; Gray's *Anatomy*; Piersol's *Human Anatomy*.

Professors Stockard, Morrill and assistants.

V. Applied Anatomy.

This course is given during the second term of the third year. It is conducted as a laboratory exercise and aims to demonstrate the important facts or regional and topographical anatomy as applied to the practice of medicine and surgery.

Laboratory, 60 hours (optional).

Text-books.—Woolsey's *Applied Surgical Anatomy*; Davis' *Applied Anatomy*.

Dr. Sneed and assistants.

VI. Elective Courses Preparatory to the Specialties.

Optional for students of the third and fourth years. These courses offer a thorough review of the embryology, histology and gross anatomy of the following organs and systems:

- (a) The eye.
 - (b) The ear.
 - (c) The face and neck, including especially the nose and accessory sinuses, the mouth and salivary glands, pharynx and larynx, thyroid and parathyroid glands.
 - (d) The genito-urinary system, male and female.
 - (e) The brain and spinal cord.
 - (f) The thorax and abdomen.
 - (g) The extremities, especially the joints and their mechanics.
- Laboratory, 40 hours. Professor Stockard and instructors.

VII. Elective Courses for Advanced Students.

COURSE I. GENERAL HISTOLOGY.—This course will comprise a study of the various types of tissues which form the several organs of the vertebrate body. The structures will be studied not only from the mere morphological standpoint, but the various biological problems involved will be taken into consideration. The close relationship between structure and function will be elucidated.

Twenty lectures, March to June.

Registration not later than January. Professor Chambers.

COURSE II. THE ANATOMY OF THE INFANT.—A course of lectures amplified by demonstrations and the study of preparations.

Twenty lectures arranged for in advance. Professor Stockard.

CORNELL UNIVERSITY MEDICAL COLLEGE

COURSE III. DEVELOPMENT ARRESTS AND STRUCTURAL DEFICIENCIES.—A discussion of the imperfections in development which may occur during various periods from the maturation of the germ cells, fertilization of the egg on through embryonic and fetal development.

Fifteen lectures. Professor Stockard.

COURSE IV. EXPERIMENTAL EMBRYOLOGY.—These lectures begin with the history of the subject and the various aspects of the problems concerned. The experimental analysis of embryological processes is then considered from the several points of view.

Twenty lectures with conferences considering the recent literature of the subject. March to June. Professor Stockard.

COURSE V. REGIONAL ANATOMY.—This course will comprise a thorough review by means of dissections, demonstrations and reading of the gross anatomy, histology and development of selected regions of the body and of organs and organ systems.

Laboratory and demonstration, 3 half days a week for two months.

Associate Professor Morrill and assistants.

COURSE VI. FOURTH-YEAR ELECTIVES.—The Department of Anatomy will arrange a schedule of work to fit individual cases for a limited number of *fourth-year students* desiring to devote the major part or all of their elective time. Such work will be designed, in cases where sufficient time is available, to equip the student to become a laboratory assistant.

VIII. Anatomical Research.

To students desiring to pursue research in anatomical subjects the equipment of the entire department is available. Members of the staff will gladly assign subjects and direct the progress of advanced work of this type. The work may be elected by students who enter with advanced credits, or by any student who has completed the preliminary courses in descriptive anatomy, histology and embryology. The course is also open to graduates in medicine or biology.

SUMMARY.

	<i>First Year.</i>	<i>Second Year.</i>
Morphology* .....	.....	.....
Embryology and Histology	258 hours	.....
Gross Anatomy	350 hours	.....
Topographical Anatomy .....	.....	36 hours
Neuro-Anatomy	88 hours	.....
Applied Anatomy* .....	.....	.....

*Optional.

PHYSIOLOGY.

GRAHAM LUSK, Ph.D., *Professor of Physiology.*

DAYTON J. EDWARDS, Ph.D., *Associate Professor of Physiology.*

HARRY J. DEUEL, JR., Ph.D., *Instructor in Physiology.*

McKEEN CATTELL, M.D., *Instructor in Physiology.*

DETAILS OF THE PLAN OF INSTRUCTION

First Year. Nervous System and Respiration.

Lectures laboratory, recitations and a weekly seminar. Physiology of the muscle and nerve, the central nervous system, the special senses and respiration.

Second Year. Physiology and Nutrition.

Lectures, laboratory, recitations and seminar. Circulation, secretion, digestion, internal secretions and metabolism.

SUMMARY.

	<i>First Year.</i>	<i>Second Year.</i>
Lectures	44 hours	45 hours
Recitations	22 hours	18 hours
Seminary .....	.....	9 hours
Laboratory	99 hours	81 hours

Text-books.—Starling's, Howell's or Macleod's *Physiology*; Lusk, *Science of Nutrition*; Wiggers, *Circulation in Health and Disease*; Collateral Reading, Scientific Journals.

CHEMISTRY.

STANLEY R. BENEDICT, Ph.D., *Professor of Chemistry.*

HUGH E. MORROW, A.B., *Instructor in Chemistry.*

EMIL OSTERBERG, *Instructor in Chemistry.*

NATHAN F. BLAU, Ph.D., *Associate in Chemistry.*

ELEANOR B. NEWTON, A.M., *Assistant in Chemistry.*

The instruction in chemistry is concentrated in the first year, and is arranged upon the assumption that the student is already thoroughly grounded in the principles of chemistry and in physics. The object aimed at is to impart that fundamental knowledge of organic and physiological chemistry which is necessary to the comprehension of the bearings of chemistry upon physiology, pharmacology and medicine.

Lectures.—There will be two lectures a week during the first term upon physical chemistry. The elements of the subject will be presented with special emphasis upon the properties and reactions of colloids, and the theory of indicators. Roentgen and radium rays are also discussed.

During the second term two lectures a week will be devoted to organic and physiological chemistry. The lectures will discuss groups of compounds of especial biological importance, emphasizing especially the carbohydrates, purines, amino acids and the fats.

In the third term two lectures weekly will be devoted to Physiological Chemistry.

Recitations and Conferences.—There will be one recitation weekly during the third term. These recitations are largely in the nature of conferences.

CORNELL UNIVERSITY MEDICAL COLLEGE

Laboratory Work.—During the first term there will be one session weekly of three and one-half hours in physical chemistry. The experiments are designed to familiarize the student with the fundamental properties of electrolytes and colloids, and to study the phenomena of osmosis and dialysis. Methods of hydrogen ion determination are also studied.

In the second term there will be two sessions weekly of two and one-half hours in organic and physiological chemistry. This work will be directed mainly to the preparation and examination of organic compounds of biological importance, and will furnish practice on those points in which laboratory manipulations are desirable.

During the third term there will be two three-hour laboratory sessions in physiological chemistry. This course will include the study of the reactions of the carbohydrates, fats and proteins; of the composition of the salivary, gastric, pancreatic and intestinal secretions and the bile, and their actions in digestion; of the fæces, urine, blood and milk; and of the examination of pathological fluids, concretions, etc. The arrangement of this course is in coaptation with those in physiology and in clinical pathology.

In the laboratory courses each student is supplied with all apparatus and chemicals required.

Chemical Pathology.—Elective in the fourth year. A practical course in the chemical analysis of the blood. The laboratory work is supplemented by informal lectures and discussions. Hours to be arranged.

Research.—The laboratory will be open during "optional hours" to students of any year who desire to prosecute advanced work or research, subject to the regulations of the office.

SUMMARY.

	<i>First Year.</i>
Recitations	11 hours
Laboratory	162 hours
Lectures	66 hours

Text-books.—Hawk, *Practical Physiological Chemistry*, eighth edition. For Collateral Reading:—Mathews, *Physiological Chemistry*; Wells, *Chemical Pathology*; McCollum, *Organic Chemistry*, for students of Medicine and Biology.

PHARMACOLOGY.

ROBERT ANTHONY HATCHER, Ph.G., M.D., *Professor of Pharmacology.*
HARRY GOLD, M.D., *Instructor in Pharmacology.*

Work in this department is offered during the second and third years.

DETAILS OF THE PLAN OF INSTRUCTION

Pharmacology.

I. Laboratory.—Sixty-six hours will be devoted to the study of the actions of drugs in the third trimester of the second year.

The experiments are designed to illustrate a wide range of pharmacologic actions, the more important drugs being considered with reference to their actions on different structures. Professor Hatcher and Dr. Gold.

II. Lectures.—Thirty hours will be devoted to lectures, conferences and written reviews on Systematic Pharmacology in the first trimester of the third year. Professor Hatcher and Dr. Gold.

Materia Medica and Pharmacy.

III. Elementary Pharmacy and Toxicology.—Ten hours will be devoted to the consideration of crude drugs, and making pharmacopœial preparations of the different pharmaceutical classes (such as extracts, pills, etc.,) by the students. Each laboratory exercise will be preceded by an informal discussion of the work to be done and its relation to therapeutics.

IV. Research. Elective.—Students will be encouraged to conduct original research under the supervision of the members of the staff. Such work affords a valuable insight into pharmacologic methods, and assists in the formation of a correct estimate of the original work of others.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>
Lectures and Conferences.....	.....	34 hours
Laboratory	66 hours	10 hours

Text-books.—Sollmann, *A Text-book of Pharmacology*; *A Laboratory Guide in Pharmacology.*

DEPARTMENT OF PATHOLOGY.

General Pathology, Pathological Anatomy, Experimental Pathology

JAMES EWING, M.D., *Professor of Pathology.*

OTTO H. SCHULTZE, M.D., *Professor of Medical Jurisprudence.*

ELISE S. L'ESPERANCE, M.D., *Assistant Professor of Pathology.*

DOUGLAS SYMMERS, M.D., *Assistant Professor of Pathological Anatomy.*

CHARLES S. B. CASSASSA, M.D., *Instructor in Pathological Anatomy.*

LEWIS D. STEVENSON, M.D., *Instructor in Neuro-Pathology.*

J. FRANK FRASER, M.D., *Instructor in Dermopathology.*

ARTHUR H. DODGE, M.D., *Instructor in Pathological Anatomy.*

MAX CUTLER, M.D., *Assistant in Pathology.*

JAMES DENTON, M.D., *Assistant in Pathology.*

CORNELL UNIVERSITY MEDICAL COLLEGE

GENERAL PATHOLOGY.

Facilities.—The department of pathology occupies the main part of the fourth floor of the college building, in which are a class room and working museum, demonstration room for pathological anatomy with refrigerating plant, a preparation room for pathological histology, four private laboratory rooms for officers of the department, an animal hospital, and the library.

Pathological material is drawn from New York Hospital, Bellevue Hospital and the City Morgue, Memorial Hospital for Cancer and Allied Diseases, and other Hospitals.

The museum contains a selected collection of 3,000 specimens illustrating most of the common and many rare pathological lesions. It is especially rich in lesions of bones and in tumors.

The histological cabinets contain about 20,000 slides arranged anatomically and cross-indexed for special diseases. There are also 100 sets of demonstration slides for undergraduate teaching purposes.

The library contains 12,000 bound volumes of current periodicals in English, French, German and Italian, and 5,000 selected reprints and monographs.

A volume is issued jointly by the Departments of Pathology, Bacteriology, and Hygiene, in which are collected the main studies coming from these laboratories. The Department of Pathology with the collaboration of heads of other departments conducts the work of the Huntington Fund for Cancer Research of the Memorial Hospital, and at appropriate times issues reports of these studies.

Instruction.—The course of instruction in pathology begins in the first term of the second year, with lectures and gross and microscopical demonstrations, illustrating degeneration, inflammation, repair of tissue, and the infectious granulomas. At the same time the student observes the external phenomena of disease in demonstrations conducted by the Departments of Medicine and Surgery, reads about them in text-books, and prepares recitations on these topics. Coincidentally, biweekly demonstrations of gross pathological material collected from autopsies are conducted. The introduction of each topic is made by individual demonstration of museum specimens followed by the study of microscopic sections. Further co-ordination of work is accomplished by having the course in bacteriology proceed at the same time. The second term is occupied by the subject of tumors, and diseases of the lungs. The third term is devoted to Special Pathology of the organs, constitutional diseases, gynecological pathology, and neuropathology. In the first term of the third year osteopathology, gynecological pathology, and other special topics are considered.

Pathological Anatomy is continued through three terms of the course in general pathology, and in the third and fourth years the student witnesses or performs autopsies. Various elective courses are offered in the latter portion of the fourth year.

SYNOPSIS OF COURSES.

General Pathology.—Lectures, gross and microscopical demonstrations in:
(a) Degeneration, Inflammation, Regeneration, Granulomas.

DETAILS OF THE PLAN OF INSTRUCTION

Required in first term of second year. (b) Tumors and Special Pathology of Lungs. Required in second term of second year. (c) Special Pathology of Constitutional Diseases, Neuropathology. Required in third term of second year. (d) Osteopathology, Gynecological pathology. Required in the first term of third year. 243 hours. Professors Ewing and L'Esperance and Drs. Denton, Stevenson and Fraser.

Pathological Anatomy.—Demonstrations of gross lesions in material collected from autopsies, gross pathological diagnosis, pathogenesis of symptoms and lesions. 66 hours. Required in second year. Professor Schultze, Drs. Cassassa and Dodge.

Autopsy Technique.—Section teaching at Morgue. Required in third year. Professor Symmers and Dr. Whitcomb.

Medico-legal Pathology.—The medico-legal relations of pathology are extensively illustrated in the material collected in the morgue and in the museum, and special attention is devoted to this subject in the third and fourth years. Professor Schultze, Drs. Cassassa and Dodge.

Recitations, Examinations.—Written recitations are conducted monthly throughout the year. Written and practical examinations are held at the end of the course.

Electives.—In the latter part of the fourth year the student may return to the laboratory and pursue advanced courses in several fields to be determined on consultation. The following courses are specifically recommended.

1. Pathological technique.
2. Tumor diagnosis and General Oncology.
3. Gynecological Pathology.
4. Dermatopathology.
5. Neuropathology.
6. Surgical Pathology.
7. Special pathology and study of groups of cases with the production of a thesis.

Most of these elective courses will require the student's entire time for one to three months but may be continued into the summer.

Special Students and Special Degrees.—Opportunity is afforded to a limited number of students to engage in original research in selected topics under the direction of an instructor. The student must contract to devote his entire time, in the usual sense, to the pursuit of the problem, and the results of the work may be published under the auspices of the department. The work may be pursued in the college laboratories, in the Loomis Laboratory, at the New York Hospital, or at the Memorial Hospital in cancer research.

Under the conditions laid down in the Graduate School of Medicine, the student may obtain the degree of M.S., after one year, or Ph.D. after three years of study in Pathology. The completion of an original thesis is required for these degrees, and they are granted only to graduates in Medicine.

CORNELL UNIVERSITY MEDICAL COLLEGE

CANCER RESEARCH.

Since 1904 the work of the Huntington Fund for Cancer Research has been located in the laboratories of Cornell University Medical College under the general direction of the Department of Pathology, and with the collaboration of heads of other departments. Later through the support of Dr. James Douglas, and the co-operation of the Board of Managers, it has been extended to the laboratories of the Memorial Hospital. A laboratory building accommodating pathology, biology, chemistry and physics has recently been erected.

The organization of this work includes pathology, Prof. Ewing; bacteriology, Prof. Torrey; chemistry, Prof. Benedict; biology, Prof. Stockard; pathology, Prof. L'Esperance.

Clinical studies in the diagnosis, natural history, and treatment of neoplastic diseases are conducted in the hospital by the members of the Staff. The general conduct of the ward service is in charge of Dr. Wm. S. Stone, Clinical Director. The Radium Department is in charge of Dr. Douglas Quick. Other special departments are conducted by Drs. B. S. Barringer, Burton J. Lee, William P. Healey and others. The radium laboratory possesses four grams of radium metal, supplied by the National Radium Institute through the late Dr. James Douglas. The radium laboratory is in charge of Mr. Gioacchino Failla, Physicist, and four assistants. The X-ray Department is in charge of Dr. Ralph E. Herenden, Roentgenologist. Prof. Walter F. Wilcox is Consulting Statistician.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year</i>	<i>Fourth Year.</i>
General and Special Pathology.....	195 hours	48 hours	.....
Pathological Anatomy	66 hours	10 hours	.....
Autopsy Technics .....	.....	.....	Variable

BACTERIOLOGY.

WILLIAM J. ELSER, M.D., *Professor of Bacteriology.*

ARTHUR F. COCA, M.D., *Professor of Immunology.*

ROBERT A. COOKE, M.D., *Assistant Professor of Applied Immunology.*

GEORGE W. WHEELER, M.D., *Assistant Professor of Bacteriology.*

ELLA F. GROVE, *Instructor in Immunology.*

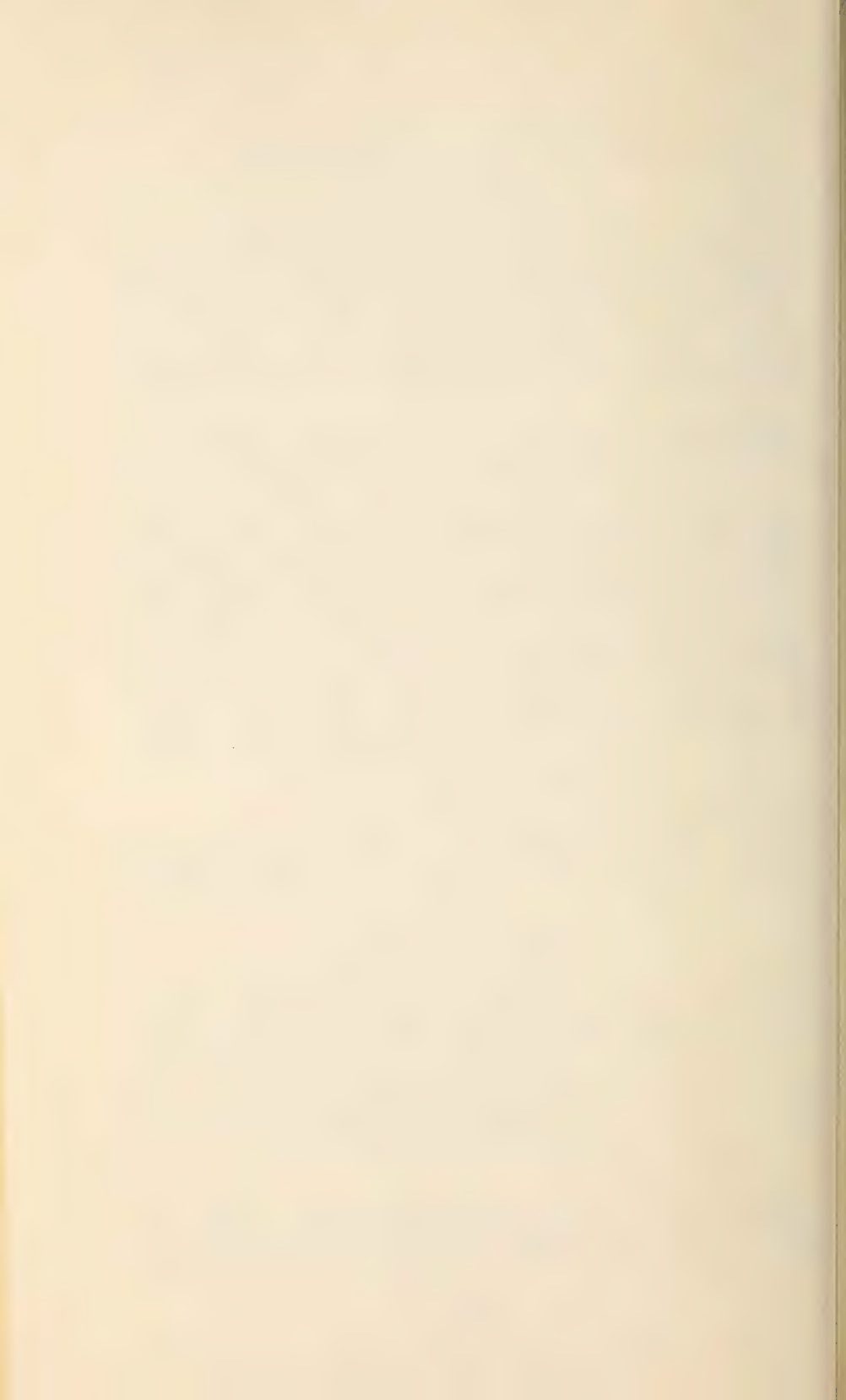
RUTH A. THOMAS, A.B., C.P.H., *Instructor in Bacteriology.*

ROBERT KOCH, M.D., *Instructor in Bacteriology.*

WILL C. SPAIN, M.D., *Instructor in Applied Immunology.*

I. Bacteriology.

The subject is taught in the second year in two parts. Part I includes the preparation of culture media, the principles of sterilization and disinfection, the methods of isolation and differentiation of bacterial species



DETAILS OF THE PLAN OF INSTRUCTION

and a study of their bio-chemical behaviour. Part II includes a detailed study of the pathogenic bacteria; special attention being paid to their relation to diseases of man. This work is supplemented by lectures and conferences dealing with the theoretical phases of bacteriology and immunology.

II. Immunology.

A. A laboratory and didactic course is given to second year students in two sections following the course in bacteriology. This course is designed primarily to familiarize the student with the fundamental immunological and serological principles, as well as the technic involved in the recognized clinical and forensic application of those principles, viz., the Widal, precipitin, Wassermann, von Pirquet, Schick, and Dick tests; the standardization of diphtheria antitoxin; the grouping of human individuals with respect to isohemagglutinins; and the cutaneous test for atopic hypersensitiveness (asthma and hay fever).

B. The preceding course is offered also to a limited number of fourth year students in two sections (not more than 15 students in each section).

III. Applied Immunology.

A. A lecture course to third year students is given in conjunction with the Department of Medicine on diagnosis and specific treatment of human hypersensitiveness.

B. An elective clinical course in applied immunology is offered to fourth year students in conjunction with IIb. This course consists of the practical study of various forms of hypersensitiveness in man, ample material for which is provided in the special clinic, two evenings (4 hours) for one week at the New York Hospital.

SUMMARY.

	<i>Second Year.</i>	<i>Fourth Year.</i>
Bacteriology	160 hours	.....
Immunology	50 hours	elective

MEDICINE.

LEWIS A. CONNER, M.D., *Professor of Medicine.*

WALTER L. NILES, M.D., *Professor of Clinical Medicine.*

EUGENE F. DUBOIS, M.D., *Associate Professor of Medicine.*

NELLIS B. FOSTER, M.D., *Associate Professor of Medicine.*

WILLIAM C. THRO, M.D., *Professor of Clinical Pathology.*

FRANK S. MEARA, M.D., *Professor of Clinical Medicine.*

ALEXANDER LAMBERT, M.D., *Professor of Clinical Medicine.*

CHARLES E. NAMMACK, M.D., *Professor of Clinical Medicine.*

MALCOLM GOODRIDGE, M.D., *Professor of Clinical Medicine.*

JOHN W. CHURCHMAN, M.D., *Associate Professor of Therapeutics.*

HENRY B. RICHARDSON, M.D., *Assistant Professor of Medicine.*

RUSSELL L. CECIL, M.D., *Assistant Professor of Clinical Medicine.*

CORNELL UNIVERSITY MEDICAL COLLEGE

ARTHUR L. HOLLAND, M.D., *Assistant Professor of Clinical Medicine.*
SAMUEL BRADBURY, M.D., *Assistant Professor of Clinical Medicine.*
RALPH G. STILLMAN, M.D., *Assistant Professor of Clinical Pathology.*
CARY EGGLESTON, M.D., *Assistant Professor of Clinical Medicine.*
HARRY A. BRAY, M.D., *Lecturer on Tuberculosis.*
HAROLD E. B. PARDEE, M.D., *Associate in Medicine.*
ALICE R. BERNHEIM, M.D., *Associate in Medicine.*
JOHN H. RICHARDS, M.D., *Instructor in Clinical Pathology and Medicine.*
NANCY JENISON, M.D., *Instructor in Medicine.*
WALTER H. BRUNDAGE, M.D., *Instructor in Medicine.*
DAN H. WITT, M.D., *Instructor in Medicine.*
HORACE S. BALDWIN, M.D., *Instructor in Medicine.*
CHARLES H. NAMMACK, M.D., *Instructor in Medicine.*
LESLIE T. GAGER, M.D., *Instructor in Medicine.*
ASA L. LINCOLN, M.D., *Instructor in Medicine.*
ROBERT R. HANNON, M.D., *Instructor in Medicine.*
PAUL REZNIKOFF, M.D., *Instructor in Medicine.*
MORTON RYDER, M.D., *Instructor in Clinical Medicine.*
BENJAMIN H. ARCHER, M.D., *Instructor in Clinical Medicine.*
ANNE M. BELCHER, M.D., *Instructor in Clinical Medicine.*
HAROLD S. BELCHER, M.D., *Instructor in Clinical Medicine.*
LAILA COSTON CONNER, M.D., *Instructor in Clinical Medicine.*
HAYNES H. FELLOWS, M.D., *Instructor in Clinical Medicine.*
CONNIE M. GUION, M.D., *Instructor in Clinical Medicine.*
HARRY H. HAMILTON, M.D., *Instructor in Clinical Medicine.*
EDWIN T. HAUSER, M.D., *Instructor in Clinical Medicine.*
LOUIS A. HAUSER, M.D., *Instructor in Clinical Medicine.*
EDMUND R. P. JANVRIN, M.D., *Instructor in Clinical Medicine.*
BERTON LATTIN, M.D., *Instructor in Clinical Medicine.*
LEON I. LEVINE, M.D., *Instructor in Clinical Medicine.*
ANNA PLATT, M.D., *Instructor in Clinical Medicine.*
NEIL C. STEVENS, M.D., *Instructor in Clinical Medicine.*
FRANCIS T. WILLIAMS, M.D., *Instructor in Clinical Medicine.*
DOUGLAS PALMER, M.D., *Instructor in Clinical Medicine.*
EDWIN P. RUSSELL, M.D., *Instructor in Clinical Medicine.*
SYDNEY WEINTRAUB, M.D., *Instructor in Clinical Medicine.*
ROYCE PADDOCK, M.D., *Assistant in Medicine.*

The course in Medicine is begun in the first trimester of the second year and is continued through the second, third and fourth years. Instruction is given by means of didactic lectures, laboratory exercises, amphitheatre clinics, recitations, section classes in the wards and in the College Clinic and clinical clerkships in the wards of Bellevue and New York Hospitals.

SECOND YEAR.

Introductory Clinics.—The subject of Medicine is introduced in the first trimester by a series of elementary clinics given at the New York Hospital by Professors Conner and Foster. These clinics are designed to acquaint the student with the simpler and more obvious aspects of important and common

DETAILS OF THE PLAN OF INSTRUCTION

types of disease and to stimulate in him the habit of observation. In Bellevue Hospital during the same period a course in Pathological Physiology consisting of lectures and illustrative clinics is given by Professors DuBois, Richardson, Cecil, and Dr. Hannon. The exercises are intended to bridge the gap between the course in Physiology and that in Medicine and to emphasize the importance of the changes in function which occur in disease.

In the third trimester clinics are held in the Amphitheatre of Bellevue Hospital by Professor DuBois and his associates.

Recitations.—A systematic study of Osler's Textbook of Medicine is begun in the second trimester. Recitations are held once a week by Professor DuBois and Dr. Witt.

Physical Diagnosis.—During the first trimester the principles of Physical Diagnosis are presented in lectures and demonstrations by Dr. Pardee and the students are instructed in the various methods of physical examination. In the second trimester the student is given opportunity to practice physical diagnosis by the examination of patients in the wards of the New York and Bellevue Hospitals. The Class is divided into small sections and the bedside teaching conducted by Doctors Pardee, Nammack, Richardson, Baldwin, Gager, and Hannon under the direction of Professor Foster.

THIRD YEAR.

Lectures.—During the first and second trimesters one lecture a week is given by Professor Conner upon the general symptomatology of disease. Each of the commoner and more important symptoms is considered in detail with special reference to the physiological processes involved.

Physical Diagnosis.—This subject is continued in the third year during the second and third trimesters. The Class is divided into small groups, each of which in turn is assigned to service in the medical department of the College Clinic. Each student under careful supervision of an instructor is expected to take histories and to make and record physical examinations. This course is under the direction of Professor Bradbury.

Clinics.—In the first and third trimesters general medical clinics are held once a week in the College Amphitheatre by Professor Conner. At the Clinics are presented such ambulatory types of medical diseases as are usually not seen in the hospital wards.

Recitations.—The systematic study of Osler's Textbook of Medicine, begun in the second year, is continued during all the three trimesters of the third year. Recitations are conducted by Professors Cecil and Richardson and Doctors Richards and Baldwin.

Therapeutics.—Instruction in therapeutics, under the charge of Professor Goodridge, is given in the form of lectures and conferences, during the third trimester of the third year, and practical demonstrations in the wards of Bellevue Hospital during the period of clinical clerkship in the fourth year. For one-half of this period (two weeks) especial emphasis is laid upon treatment and the student receives practical instruction in the use of the more important drugs and in the various other therapeutic procedures.

CORNELL UNIVERSITY MEDICAL COLLEGE

Clinical Pathology.—The introductory required course, under the charge of Professor Thro, is given in the first trimester of the third year. It consists of ninety-six hours of lectures and laboratory work. This time is devoted to the teaching and the practical application of methods for the examination of urine, blood and blood serum, sputum, exudates and transudates, spinal fluid, gastric contents, feces, and for the bacteriological examination of clinical material.

During the remainder of the third year and in the fourth year the students perform laboratory tests on patients assigned them in the clinics and hospitals, where they are supervised by instructors in the Department of Medicine.

In the latter part of the fourth year students have the opportunity to elect work in Clinical Pathology.

FOURTH YEAR.

Clinical Clerkships.—The time allotted to medicine in the last year is devoted entirely to practical work in the wards of New York and Bellevue Hospitals and to elective subjects. Each student is required to serve for a period of two months as clinical clerk in the medical wards; the time being divided equally between New York and Bellevue Hospitals. During this period his entire day is spent in the wards and clinical laboratories. A certain number of patients are assigned for study to each student. Under careful supervision he takes the histories, makes physical examinations, performs the various necessary laboratory examinations and records the progress of the cases. He is expected to be present at all post mortem examinations and to attend the clinical pathological conferences. Each afternoon teaching rounds for the entire group on duty are made by some members of the Attending Staff.

At the New York Hospital, in addition to the routine ward teaching by Professors Conner and Foster, a weekly conference by Professor Foster is held with the group upon disorders of metabolism and their treatment, as exemplified by cases in the wards; a course of eight periods on the fluoroscopic investigation of the gastro-intestinal tract is given by Doctor Holland, and a part of one afternoon of each week is devoted by Doctor Pardee to the study of cardiac arrhythmias and the interpretation of electrocardiographic and polygraphic records.

At Bellevue Hospital, in addition to the routine ward teaching by Professors DuBois, Niles, and Goodridge, a clinical pathological conference and a medical clinic are held once a week. At the latter, cases are presented by the student clerks and are discussed by the staff and the results of experimental work done by the research members of the staff are demonstrated in connection with the cases studied. During this period also the students spend four afternoons in the wards of the Tuberculosis Division where, through the courtesy of Dr. James Alexander Miller, Visiting Physician in charge, they receive instruction together with students from the College of Physicians and Surgeons.

Elective Studies.—The latter part of the fourth year is available for elective work. For courses offered see page 66.

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Graduate Study and Research.—The clinics and laboratories of Bellevue and New York Hospitals are available for special study and research to a limited number of physicians possessing suitable training.

Bellevue Hospital Clinic.—The Russell Sage Institute of Pathology is especially equipped for the investigations of problems of metabolism. The calorimeter is operated in conjunction with a metabolism ward and there is a chemical research laboratory for the study of problems connected with respiration and the gases of the blood.

New York Hospital Clinic.—The clinical laboratory and chemical laboratory are closely allied with the wards and offer excellent facilities for the study of the chemical aspects of disease. Special lines of research may also be carried on in the serological and bacteriological laboratories of the Hospital in conjunction with clinical observation in the wards. These laboratories have been used notably in the study of the anæmias, nephritis, and protein sensitization.

SUMMARY.

Medicine.*

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	12 hours	35 hours	.....
Recitations	21 hours	35 hours	.....
Clinics	64 hours	11 hours	.....
Clinical Clerkships .....	.....	.....	312 hours
Sections	44 hours	10 hours	.....
Clinical Pathology .....	.....	96 hours	.....

SURGERY.

CHARLES L. GIBSON, M.D., *Professor of Surgery.*

JOHN A. HARTWELL, M.D., *Associate Professor of Surgery.*

HENRY H. M. LYLE, M.D., *Assistant Professor of Surgery.*

GEORGE WOOLSEY, M.D., *Professor of Clinical Surgery.*

JOHN ROGERS, M.D., *Professor of Clinical Surgery.*

IRVING S. HAYNES, M.D., *Professor of Clinical Surgery.*

HOWARD LILIENTHAL, M.D., *Professor of Clinical Surgery.*

BURTON J. LEE, M.D., *Professor of Clinical Surgery.*

JAMES MORLEY HITZROT, M.D., *Professor of Clinical Surgery.*

POL CORYLLOS, M.D., *Professor of Clinical Surgery.*

CHARLES E. FARR, M.D., *Assistant Professor of Surgery.*

PERCY R. TURNURE, M.D., *Assistant Professor of Clinical Surgery.*

JOSEPH P. HOGUET, M.D., *Assistant Professor of Clinical Surgery.*

JOHN C. A. GERSTER, M.D., *Assistant Professor of Clinical Surgery.*

HAROLD E. SANTEE, M.D., *Assistant Professor of Clinical Surgery.*

GUILFORD S. DUDLEY, M.D., *Assistant Professor of Clinical Surgery.*

ELISE S. L'ESPERANCE, M.D., *Assistant Professor of Pathology.*

RALPH G. STILLMAN, M.D., *Assistant Professor of Clinical Pathology.*

CORNELL UNIVERSITY MEDICAL COLLEGE

GEORGE W. HAWLEY, M.D., *Lecturer on Fractures.*
JAMES H. KENYON, M.D., *Instructor in Clinical Surgery.*
EDWARD C. BRENNER, M.D., *Instructor in Operative Surgery.*
LEILA C. KNOX, M.D., *Instructor in Surgical Pathology.*
MORRIS K. SMITH, M.D., *Instructor in Surgery.*
ABRAHAM J. BELLER, M.D., *Instructor in Operative Surgery.*
JOHN M. O'CONNOR, M.D., *Instructor in Operative Surgery.*
JOSEPH E. KING, M.D., *Instructor in Surgery.*
FENTON TAYLOR, M.D., *Instructor in Clinical Surgery.*
W. MORRIS WEEDEN, M.D., *Instructor in Surgery.*
LUCIUS A. WING, M.D., *Instructor in Clinical Surgery.*
WILLIAM L. SOULE, M.D., *Instructor in Anesthesia.*
H. H. JOHNSON, M.D., *Instructor in Operative Surgery.*
NELSON W. CORNELL, M.D., *Instructor in Surgery.*
ROBERT C. FISHER, M.D., *Instructor in Surgical Pathology.*
PAUL K. SAUER, M.D., *Instructor in Operative Surgery.*
JOHN E. SUTTON, JR., M.D., *Assistant in Surgery.*
FENWICK BEEKMAN, M.D., *Assistant in Clinical Surgery.*
RICHARD W. BOLLING, M.D., *Assistant in Clinical Surgery.*
BRADLEY COLEY, M.D., *Assistant in Clinical Surgery.*
HERBERT BERGAMINI, M.D., *Assistant in Clinical Surgery.*
RUSSELL H. PATTERSON, M.D., *Assistant in Clinical Surgery.*
KURT SEMSROTH, M.D., *Assistant in Surgical Pathology.*
PENELOPE MARSH, M.D., *Bacteriologist, Department of Surgery.*

In the second year the introductory course in surgery consists of a series of lectures and recitations, clinics and sections in Bellevue and St. Mary's Hospitals.

In the third year recitations are continued upon regional surgery; the class is instructed in sections at St. Luke's Hospital in history taking and methods of surgical examination and diagnosis, three hours a week for one term, and four and a half hours a week at Memorial Hospital in neoplasms.

In the second and third terms clinics for the whole class are held weekly at New York and St. Luke's Hospitals. Twenty-three lectures are given by the Professors of Surgery.

A Fracture Course consisting of eleven lectures and demonstrations is given under the direction of Dr. Hitzrot.

Operative Surgery. The course in charge of Dr. John C. A. Gerster consists of recitations and operative work on the cadaver. Each member of the class performs all the principal operations.

In the fourth year students spend eight weeks as clinical clerks in the wards of the New York and Bellevue Hospitals. They also receive clinical instruction in small groups in several hospitals and dispensaries on the special branches of gynecology and orthopedics. In the last two months all the work is purely elective and the students may supplement their work in surgery by clinical electives and by taking some of the group of surgical lectures which are offered annually.

DETAILS OF THE PLAN OF INSTRUCTION

HOSPITAL WORK

The Cornell University Medical College through its control of the First Surgical Service of the New York Hospital, the Second Surgical Division of the Bellevue Hospital and the Memorial Hospital and with clinical privileges at St. Luke's and St. Mary's Hospitals, possess every facility necessary for the efficient teaching of practical surgery and surgical pathology.

The Staff of Instruction at the New York Hospital is at present organized as follows:

NEW YORK HOSPITAL, CORNELL (FIRST SURGICAL) DIVISION.

CHARLES L. GIBSON, M.D., *Professor of Surgery, Attending Surgeon.*

JAMES M. HITZROT, M.D., *Professor of Clinical Surgery, Associate Attending Surgeon.*

CHARLES E. FARR, M.D., *Assistant Professor of Clinical Surgery, Associate Attending Surgeon.*

RALPH G. STILLMAN, M.D., *Assistant Professor of Clinical Pathology, Assistant Director Department of Pathology.*

GEORGE W. WHEELER, M.D., *Assistant Professor of Bacteriology, Bacteriologist.*

W. MORRIS WEEDEN, M.D., *Instructor in Surgery, Assistant Attending Surgeon.*

NELSON W. CORNELL, M.D., *Instructor in Surgery, Assistant Attending Surgeon.*

WILLIAM L. SOULE, M.D., *Instructor in Anesthesia, Anesthetist.*

KURT SEMSROTH, M.D., *Assistant Instructor in Pathology, Assistant Pathologist.*

The work is carried on in collaboration with the additional appointees from the Department of Pathology.

The division consists of about 60 surgical beds and a variable proportion of the children's service. The service is acute in character, and is particularly rich in the graver emergency and traumatic material.

Attached to this division is also a large Dispensary (Tuesday, Thursday and Saturday mornings), which furnishes valuable material for instruction and includes departments in urology, orthopedics, gynecology and dental surgery.

The resources of the Pathological Department under Professor Elser afford valuable opportunities for the study of surgical pathology, and an intimate connection between the two departments is maintained.

Instruction consists of bedside instruction, diagnosis clinics, operative and post-operative clinics, practical instruction in sections (with utilization of the Dispensary clinical material) and clinical clerkships.

CORNELL UNIVERSITY MEDICAL COLLEGE

Each section of students, for four weeks, is subdivided into four smaller groups and the course is planned to give a rotating service changing weekly. The work of the students is similar to that of the junior internes; but carried out under careful supervision. In addition, special instruction is given by members of the Attending Staff, the Staffs of the Pathological Laboratory and of the Out Patient Department in special work.

All patients in the hospital service are assigned to the student groups who become responsible for all the histories, physical examinations, laboratory investigations and observations on treatment and convalescence after operation.

A special course in Surgical Pathology is given on three days a week by Dr. Semstroh.

Students are urged to write a short paper during the course preferably on some case or subject studied during their clerkship.

BELLEVUE HOSPITAL, CORNELL (SECOND SURGICAL) DIVISION.

HAROLD E. SANTEE, M.D., *Assistant Professor of Clinical Surgery, Director of Second Surgical Division.*

JOHN A. HARTWELL, M.D., *Associate Professor of Surgery, Visiting Surgeon.*

GEORGE WOOLSEY, M.D., *Professor of Clinical Surgery, Consulting Surgeon.*

JOHN ROGERS, M.D., *Professor of Clinical Surgery, Visiting Surgeon.*

GUILFORD S. DUDLEY, *Assistant Professor of Clinical Surgery, Assistant Visiting Surgeon.*

ELISE S. L'ESPERANCE, M.D., *Assistant Professor of Pathology, Surgical Pathologist.*

FENTON TAYLOR, M.D., *Instructor in Clinical Surgery, Assistant Visiting Surgeon.*

JOSEPH E. KING, M.D., *Instructor in Surgery, Assistant Visiting Surgeon.*

BRADLEY COLEY, M.D., *Assistant in Clinical Surgery, Surgeon to Out Patients and Adjunct Assistant Visiting Surgeon.*

HERBERT BERGAMINI, M.D., *Assistant in Clinical Surgery, Surgeon to Out Patients and Adjunct Assistant Visiting Surgeon.*

RUSSELL H. PATTERSON, M.D., *Assistant in Clinical Surgery, Surgeon to Out Patients and Adjunct Assistant Visiting Surgeon.*

JOHN E. SUTTON, M.D., *Assistant in Surgery, Surgeon to Out Patients and Adjunct Assistant Visiting Surgeon.*

WILLIAM E. STUDDIFORD, JR., M.D., *Assistant in Surgical Pathology, Department of Surgery, Assistant Surgical Pathologist.*

PENELOPE MARSH, *Bacteriologist, Department of Surgery, Surgical Bacteriologist.*

DETAILS OF THE PLAN OF INSTRUCTION

The Division consists of 90 surgical beds in addition to those devoted to genito-urinary diseases and gynecology, the hospital instruction in which is outlined under their respective departments. The service is so arranged that the Associate Professor and a Clinical Professor are on continuous duty throughout the College year.

The hospital interne staff perform the routine duties of the wards, and are assisted in history taking, dressing, etc., by the surgical clerks, who spend their entire day in the wards during their period of clerkship, these privileges being extended exclusively to the students of the Cornell University Medical College.

Surgical Clerkships.—Intensive ward teaching is done under this head in the wards of Bellevue Hospital during the fourth year. The students are assigned in sections for four weeks each. They are under the direction of the Associate Professor aided by the corps of instructors.

Each student devotes his entire day to the work continuously for four weeks. He is assigned to the study of a certain number of patients, and is enabled to follow the complete course of the disease from the admission of the patient to his discharge. In the event of death he is present at the autopsy should one be performed.

In this way the student has an opportunity to follow to a conclusion a large number of surgical affections, and he is instructed in the proper methods of surgical history taking, surgical physical examination, surgical dressings, and operative surgery as seen at the operating table. He is also instructed in the laboratory study, including bacteriology, of the blood, urine, fæces, exudates, and transudates. This laboratory work is done under the direction of the staff in the laboratories connected with the hospital, and is under the immediate charge of the Surgical Pathologist to the Division. Each student spends 24 hours in the pathological laboratory, where he is instructed in a series of lesions illustrating the cases under his observation.

By this method of instruction, each student comes into intimate contact with surgical patients, and is required to make a complete study of each one from every standpoint. He has constantly at his service two or more of the teaching staff to guide him in his work, and impress on him the proper methods of observation and study.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	22 hours.	32 hours.	.....
Recitations	12 hours.	46 hours.	.....
Clinics	57 hours.	56 hours.	.....
Sections	9 hours.	.....	.....
Operative Surgery .....	.....	44 hours.	.....
Clinical Clerkships .....	.....	.....	312 hours.
Elective .....	.....	.....	<i>Variable</i>

CORNELL UNIVERSITY MEDICAL COLLEGE

Text-books.—Arnhurst's *Text-book of Surgery*; Rose and Carless, *Surgery*; Choyce, *A System of Surgery*; Thompson and Miles, *Manual of Surgery*, 6th Edition; Gould, *Surgical Diagnosis*.

Collateral Reading.—Lexer-Bevan, *General Surgery*; Stimson, *Fractures and Dislocations*; Binnie, *Operative Surgery*, 7th Edition; Binnie, *Regional Surgery*; *Lehrbuch der Chirurgie*, Garré and Borchard.

OBSTETRICS AND GYNECOLOGY.

GEORGE GRAY WARD, M.D., *Professor of Obstetrics and Gynecology*.

HAROLD C. BAILEY, M.D., *Associate Professor of Obstetrics and Gynecology*.

LILIAN K. P. FARRAR, M.D., *Assistant Professor of Obstetrics and Gynecology*.

HERVEY C. WILLIAMSON, M.D., *Instructor in Obstetrics and Gynecology*.

JOHN F. McGRATH, M.D., *Instructor in Obstetrics and Gynecology*.

FRANCIS W. GRAVELLE, M.D., *Instructor in Obstetrics and Gynecology*.

HOWARD S. McCANDLISH, M.D., *Instructor in Obstetrics and Gynecology*.

ALFRED PLAUT, M.D., *Instructor in Gynecological Pathology*.

ODGEN F. CONKEY, M.D., *Instructor in Obstetrics and Gynecology*.

WILLIAM P. DRISCOLL, M.D., *Instructor in Obstetrics and Gynecology*.

LYNN L. FULKERSON, M.D., *Instructor in Obstetrics and Gynecology*.

JOSEPH N. NATHANSON, M.D., *Instructor in Obstetrics and Gynecology*.

OBSTETRICS.

Instruction in obstetrics will be given during the third and fourth years by recitations, lectures, manikin practice, ward section work, clinics and conferences, laboratory instruction, and attendance upon cases of confinement.

THIRD YEAR—First Term—Recitations in sections will be held by the instructors on the physiology of pregnancy, the mechanism of labor and the care of the woman during the lying-in period. Definite assignments of study from a standard text-book are made. 12 hours.

Lectures will be given by Professor Bailey which are illustrated by lantern slides and the exhibition of specimens and methods, and deal with the problems of menstruation, ovulation, embryology and the physiology of early pregnancy and the puerperium. The principles of the hygiene of pregnancy and the conduct of normal labor are emphasized. 12 hours.

THIRD YEAR—Second and Third Terms—Recitations in sections dealing with the pathology of obstetrics will be held by Drs. Williamson, Gravelle and McCandlish. Certain subjects are allotted for study and the student is closely quizzed on this work. This course is in the nature of a conference and discussion is encouraged. 21 hours.

Manikin practice is given to sections of the class and carried on in correlations with the quiz class. There is individual work by the students upon the phantoms under the close supervision and criticism of the instructors, Drs. Gravelle and McCandlish. 10 hours.

Second and Third Terms—Professor Bailey will give a series of illustrated lectures on the pathology and complications of pregnancy. 21 hours.

DETAILS OF THE PLAN OF INSTRUCTION

Second and Third Terms—Ward Section Work. The sections are divided into groups of eight or ten and they spend ten sessions of two hours each in the wards of Bellevue Hospital under the direction of Professor Bailey and the instructors. The sections are opened each day by the demonstration of whatever operative material there is at hand. It is then continued by bedside instruction in the management of the pregnant and parturient woman and the care of the new-born child. 20 hours.

Laboratory instruction is given in the Departments of Anatomy and Pathology upon the histology of the vulva, uterus, ligaments, Fallopian tubes, and ovaries in the pregnant and non-pregnant conditions and upon the histology and pathology of the decidua, chorion, placenta and umbilical cord. Material is demonstrated from cases of puerperal infections and toxemias of pregnancy.

FOURTH YEAR—First and Second Terms—Practical Instruction—Students attend cases in labor at the Berwind Maternity Clinic and make the requisite post-partum visits. The class in sections of five reside in the clinic building during a period of two weeks. Each student attends from twelve to twenty cases and when possible, follows his case from the prenatal visits to the tenth day of the puerperium. The student is instructed particularly in the prenatal care. The follow-up clinic, at this hospital, carries the mother through a period of six weeks and the child for a period of one year. The student does his work under the control of the staff of instructors. Conferences are held in the Clinic and free discussion of the cases under treatment is encouraged.

Approximately 98 hours.

Third Term—An elective course in advanced obstetrics is given under the direction of Professor Bailey. The student spends two weeks at Bellevue Hospital and two weeks at the Berwind Maternity Clinic and the periods are eight hours a day at the former institution and twelve hours a day at the latter. In order that a certain number of operative cases may be seen the time is divided through the month into day and night services. While on the Berwind Clinic service a student may elect to serve full time rather than a twelve hour duty. Operative procedures are observed and the student takes part in the prenatal examination and general ward administration.

GYNECOLOGY.

Instruction in Gynecology is given during the third and fourth years by (1) Section teaching in the Out-Patient Department, (2) General operative clinics, (3) Section work in operative clinics, (4) Ward demonstrations and conferences, (5) Laboratory courses, and (6) Full time elective courses.

1. Small sections of three or four students are drilled by the instructors in methods of examination and treatment of ambulatory cases in the Cornell Clinic during the third year. In connection with the Out-Patient teaching, instruction is given in gynecological cystoscopy, the technic of endoscopy, cystoscopy, catheterizations of ureters and testing of kidney efficiency as applied to gynecological cases.

CORNELL UNIVERSITY MEDICAL COLLEGE

2. A general operative clinic by Professors Ward and Farrar is held at the Woman's Hospital for the fourth year students throughout the first and second terms. Charts, blackboard drawings, clay modeling, etc., are employed before the operation is begun, to teach the principles of operative gynecology: A stereomograph is used during the operation to throw lantern slides upon the screen to show the operative steps and to refresh the student's memory of the anatomy of the region.

3. Small sections permit students at the operation to examine the patient under anæsthesia and thus enables them to study the detail of the operation, to write up reports, and to check up the diagnosis.

4. Ward demonstrations and conferences are held by the head of the department during the first and second terms of the fourth year at the Woman's Hospital. The students are brought into contact with the patients they have seen at operation and are thus enabled to follow the post-operative course of each case. They take histories of patients awaiting operation and make pelvic examinations under guidance.

Methods of diagnosis are demonstrated and the appropriate treatment is outlined. Non-operative treatments are demonstrated during these conferences.

5. A course in pathological gynecology is given by the department of Pathology during the third year. Specimens from the museum and microscopical sections of diseased tissues are demonstrated.

Lectures on gynecological pathology and laboratory demonstrations of secretions, discharges and specimens obtained from patients who come under operation are given to sections of the fourth year class by Dr. Plaut as a part of the course at the Woman's Hospital.

6. An elective course is given at the Woman's Hospital during the third term of the fourth year. The course provides for four students, working under supervision, as clinical clerks and assistants in the hospital from 9 A. M. to 5 P. M. daily for one month. It includes operating room work, the study of special research problems and preparation of a thesis.

SYNOPSIS OF COURSES.

Obstetrics	SUMMARY.	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures		33 hours	.....
Recitations		33 hours	.....
Sections		30 hours	.....
Practical Obstetrics	98 hours*

Gynecology	SUMMARY.	<i>Third Year.</i>	<i>Fourth Year.</i>
Sections		10 hours	.....
Clinics	(Elective)
Ward Demonstrations and Conferences.....		102 hours

*Approximately.

Text-books.—*Obstetrics*, Williams, DeLee; *Gynecology*, Crossen, Anspach, Graves, Polak, Ashton.

DETAILS OF THE PLAN OF INSTRUCTION

PEDIATRICS.

OSCAR M. SCHLOSS, M.D., *Professor of Pediatrics.*
 LOUIS C. SCHROEDER, M.D., *Assistant Professor of Pediatrics.*
 LYNN A. HOAG, M.D., *Associate in Pediatrics.*
 JESSE F. SAMMIS, M.D., *Instructor in Pediatrics.*
 MAY G. WILSON, M.D., *Instructor in Pediatrics.*
 PHILIP M. STIMSON, M.D., *Instructor in Pediatrics.*
 ARTHUR F. ANDERSON, M.D., *Instructor in Pediatrics.*
 SAMUEL Z. LEVINE, M.D., *Assistant in Clinical Pediatrics.*
 ROBERT O. DUBOIS, M.D., *Assistant in Clinical Pediatrics.*
 JAMES R. WILSON, M.D., *Assistant in Clinical Pediatrics.*
 CARL E. WEIGLE, M.D., *Assistant in Clinical Pediatrics.*
 THOMAS E. WALDIE, M.D., *Assistant in Clinical Pediatrics.*

The aim of this department will be to give thorough instruction in the fundamental principles of Pediatrics.

The student will be given opportunity to become familiar with the diseases peculiar to infants and children, and will receive special instruction in infant feeding and hygiene, and the therapeutics of children's diseases.

Third Year. There will be a clinical lecture once a week during the second and third terms. This will comprise a systematic consideration of the subject of Pediatrics, supplemented by the demonstration of illustrative cases. The students will be assigned in sections for recitations in which the field of pediatrics will be consecutively considered.

Sections of students will be assigned to the wards for instruction in physical examination, diagnosis and treatment of sick infants and children.

A course of instruction in acute contagious diseases will be given at the Willard Parker Hospital. The student will have opportunity to become familiar with the diagnosis, care and treatment of such diseases.

Fourth Year.—The work during the fourth year will be entirely practical. The major part of the instruction will be in the Out Patient Department of the New York Nursery and Child's Hospital, but in addition, the students will attend ward rounds and have an opportunity to study hospital cases. During the latter part of the year there will be an elective course limited to a small number of students.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Clinics	31 hours	.....
Recitations	21 hours	.....
Sections	40 hours	.....
Clinical Clerkships .....	.....	48 hours
Elective .....	.....	60 hours

Text-books.—Holt, *Diseases of Infancy and Childhood*; Griffiths, *Diseases of Children*; Porter and Carter, *Management of the Sick Infant*.

Collateral Reading.—Still, *Common Disorders and Diseases of Childhood*; Hess, *Principles and Practice of Infant Feeding*; Morse and Talbot, *Diseases of Nutrition and Infant Feeding*.

CORNELL UNIVERSITY MEDICAL COLLEGE

SPECIAL DEPARTMENTS OF MEDICINE AND
SURGERY.

NEUROLOGY.

CHARLES L. DANA, M.D., *Professor of Clinical Medicine, Department of Neurology.*

FOSTER KENNEDY, M.D., *Professor of Clinical Medicine, Department of Neurology.*

JUNIUS W. STEPHENSON, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

WALTER M. KRAUS, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

THOMAS K. DAVIS, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

GEORGE H. HYSLOP, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

LEWIS STEVENSON, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

Instruction in neurological anatomy, physiology and chemistry is given by the respective departments in the first and second years.

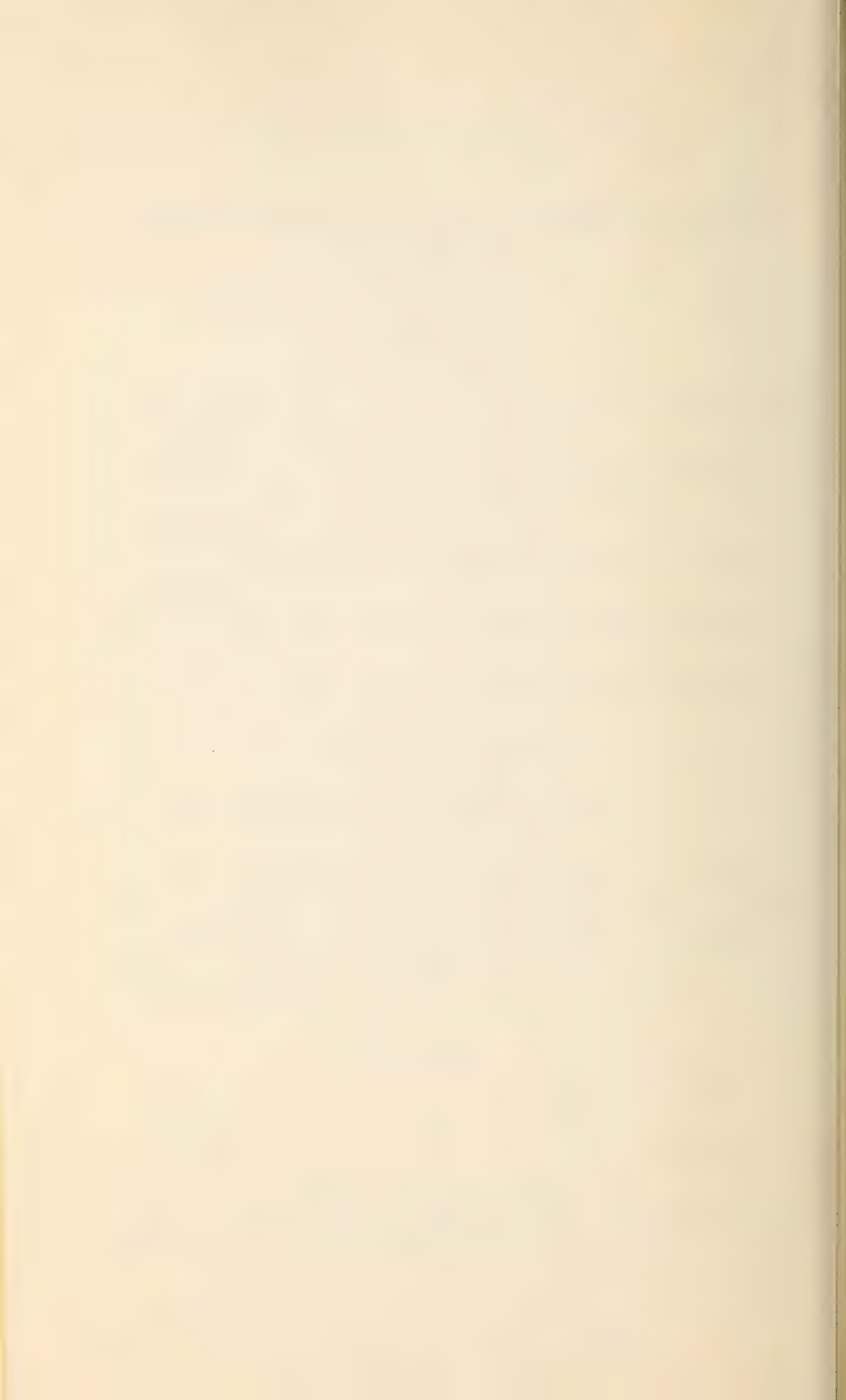
Instruction in Neurology begins in the second semester of the Third Year with weekly clinical lectures and conferences. During this period optional instruction is also given to small groups in the college clinic under the direction of the Chief of Clinic. In the Fourth Year, the students are given clinical instruction in sections in the Neurological wards of Bellevue Hospital until the 1st of April. In the last two months of the Fourth Year optional courses in Neurology are given.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures .....	.....	.....
Clinics	21 hours	.....
Sections .....	.....	36 hours

Text-book.—Dana, *Diseases of the Nervous System.*

Collateral Reading.—Works on nervous diseases by Sachs, Starr, Church and Peterson, Jelliffe and White, Oppenheim, Bing, and Stewart.



SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY

PSYCHIATRY.

GEORGE H. KIRBY, M.D., *Professor of Clinical Medicine, Department of Psychiatry.*

SANGER BROWN, 2d, M.D., *Instructor in Clinical Medicine, Department of Psychiatry.*

HENRY A. BUNKER, JR., M.D., *Instructor in Clinical Medicine, Department of Psychiatry.*

LELAND E. HINSIE, M.D., *Instructor in Clinical Medicine, Department of Psychiatry.*

ABRAHAM KARDINER, M.D., *Instructor in Clinical Medicine, Department of Psychiatry.*

Instruction in psychiatry is given in the third and fourth years. During the third year, first term, eleven lectures on psychopathology will serve as an introductory course to the study of clinical psychiatry. The students will become acquainted with the principles of abnormal psychology and their application in medical practice. During the second term the course in clinical psychiatry will begin with ten lectures dealing with the relation of psychiatry to general medicine, with special emphasis on the study of personality, borderland cases, psychoneuroses, psychopathic states and mental deficiency. There will also be given ten one-hour clinical demonstrations for the purpose of illustrating the types of cases discussed in the lectures. During the third term eleven lectures will be given dealing with the psychoses, their etiology, symptoms and treatment including their medico-legal aspects. Supplementing these lectures, eleven two-hour clinical demonstrations will be given on the wards of the Manhattan State Hospital, Ward's Island. The lectures and clinical presentations will afford the student an opportunity to become familiar with the examination, observation, diagnosis and treatment of mental disorders. Special emphasis will be placed on the earliest manifestations of mental diseases and their management while under the care of the general practitioner.

During the fourth year an elective course will be offered to a limited number of students. This will afford an opportunity for the personal examination and study of selected cases. Students may thus study in detail the evolution of symptoms and psychological mechanisms in various psychoneurotic and psychotic types. An opportunity will also be given for students to become familiar with the various psychometric tests which are used in establishing a diagnosis of mental deficiency.

SUMMARY.

	<i>Third Year Fourth Year.</i>	
Lectures on Psychopathology	12 hours	.....
Lectures on Psychiatry	21 hours	.....
Clinics and Practical Exercises.....	32 hours	.....
Advanced Psychiatry .....	.....	(Elective)

CORNELL UNIVERSITY MEDICAL COLLEGE

UROLOGY.

EDWARD L. KEYES, M.D., *Professor of Clinical Surgery, Department of Urology.*

A. RAYMOND STEVENS, M.D., *Associate Professor of Clinical Surgery, Department of Urology.*

BENJAMIN S. BARRINGER, M.D., *Instructor in Clinical Surgery, Department of Urology.*

HOWARD S. JECK, M.D., *Instructor in Clinical Surgery, Department of Urology.*

JULIUS J. VALENTINE, M.D., *Instructor in Clinical Surgery Department of Urology.*

MAX S. ROHDE, M.D., *Instructor in Clinical Surgery, Department of Urology.*

WILLIAM A. WILSON, M.D., *Instructor in Clinical Surgery, Department of Urology.*

The courses in this department are required of students during the second, third and fourth year. They are designed to give instruction in diagnosis and treatment of the surgical diseases of the urinary and male genital organs.

Clinic.—Third Year. A two-hour clinic will be given in Bellevue Hospital during the second term by Professor Keyes. At this clinic typical cases are demonstrated and discussed by the students themselves.

Lectures.—Second Year. A course of eleven lectures will be given to the second-year class during the third term of the college session.

Section Teaching.—Second Year. The second-year class will be divided into sections of small size for instruction in the College Dispensary during the first and second terms.

Hospital Work.—Students who elect the course in the fourth year are assigned to clerkships in the wards of Bellevue Hospital and study the cases in the wards devoted to Urology continuously for one month.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Clinics .....	.....	20 hours	.....
Sections	10 hours	.....	.....
Lectures	11 hours	.....	.....
Clinical Clerkships .....	.....	.....	Elective

Text-book.—Keyes.

Collateral Reading.—Cabot, Thompson-Walker.

SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY

DERMATOLOGY.

HANS J. SCHWARTZ, M.D., *Professor of Clinical Medicine, Department of Dermatology.*

OSCAR L. LEVIN, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

J. FRANK FRASER, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

ANDREW J. GILMOUR, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

RAY H. RULISON, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

Instruction in Dermatology and Syphilology will be given by Doctor Schwartz and his assistants. No teaching will be given didactically, but the cutaneous diseases will be demonstrated on the living subject. Abundance of material for such instruction is obtainable, and the student can thoroughly familiarize himself with the more common as well as with the rarer diseases of the skin by actual personal touch and observation. Attention is particularly paid to the diagnosis and the etiology of skin diseases, but their therapeutics also receive due consideration. Instruction will also be given in the intravenous and other forms of treatment by salvarsan and neosalvarsan.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Four Year</i>
Sections	10 hours	.....	Elective
Clinic	11 hours	22 hours	Elective

Text-books.—Stelwagon, *Diseases of the Skin*; Schamberg, *Diseases of the Skin and Eruptive Fevers.*

LARYNGOLOGY AND RHINOLOGY.

HARMON SMITH, M.D., *Professor of Clinical Surgery, Department of Laryngology and Rhinology.*

WALTER C. MONTGOMERY, M.D., *Assistant Professor of Clinical Surgery, Department of Laryngology and Rhinology.*

ARTHUR PALMER, M.D., *Instructor in Clinical Surgery, Department of Laryngology and Rhinology.*

THOMAS A. MULCAHY, M.D., *Instructor in Clinical Surgery, Department of Laryngology and Rhinology.*

The professor of the department gives instruction to the third year students by didactic lectures and clinical exercises. In this work he is assisted by the instructor and his other assistants. The lectures are illustrated by plates, models and stereopticon projections.

CORNELL UNIVERSITY MEDICAL COLLEGE

Each student is also individually instructed in the ordinary methods of examination of the nose and throat and shown the recent measures employed in laryngoscopy and bronchoscopy.

SUMMARY.

	<i>Second Year</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures .....	.....	12 hours	.....
Sections	10 hours	20 hours	Elective
Clinic .....	.....	.....	Elective

Text-books.—Wright and Smith, *Diseases of the Nose and Throat.*

Collateral Reading.—St. Clair Thomson, *Diseases of the Nose and Throat*; Knight, *Diseases of the Nose and Throat.*

OPHTHALMOLOGY.

ROBERT G. REESE, M.D., *Professor of Clinical Surgery, Department of Ophthalmology.*

BERNARD SAMUELS, M.D., *Assistant Professor of Clinical Surgery, Department of Ophthalmology.*

GEORGE W. VANDEGRIFT, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

CHARLES A. DRAKE, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

AQUIN S. KELLY, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

SAMUEL P. OAST, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

ALGERNON B. REESE, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

Instruction in Ophthalmology is given during the second and third years. The class is divided into small sections for work in the College Clinic. Each student receives individual instruction in the use of the ophthalmoscope. External diseases of the eye and anomalies of the ocular muscles are covered in a practical way. Some time is devoted to errors of refraction and the fitting of glasses.

During the first part of the year the professor of the department gives clinical lectures to the entire class, the patients coming from the College Clinic and the New York Eye and Ear Infirmary. These lectures are illustrated with stereopticon pictures.

Students may take Ophthalmology as an elective course, in the fourth year. An opportunity to witness operations, on the living, by the professor and the instructors, is provided at the New York Eye and Ear Infirmary. The histopathology of the eye is taught by microscopical sections prepared for the purpose.

SUMMARY.

	<i>Second Year.</i>	<i>Fourth Year.</i>
Sections	20 hours	.....
Clinic	11 hours	Elective

Text-book.—De Schweinitz.

Collateral Reading.—Fuchs, May.

SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY

OTOLOGY.

FREDERICK WHITING, M.D., *Professor of Clinical Surgery, Department of Otolology.*

GEORGE B. MCAULIFFE, M.D., *Assistant Professor of Clinical Surgery, Department of Otolology.*

STEWART L. CRAIG, M.D., *Assistant in Clinical Surgery, Department of Otolology.*

For clinical instruction in Otolology the third-year class is divided into sections. Each student receives practical instruction in the College Dispensary from Professor Whiting and his assistants in the examination of patients, the use of the otoscope, and the various methods of testing the hearing. The student is permitted to examine patients and after a probationary period, to prescribe for them and thus gradually assume the duties of a clinical assistant. The students also have an opportunity of witnessing the more important operations in aural surgery, including intracranial complications, at the New York Eye and Ear Infirmary.

Third Year.

Lectures	10 hours
Sections	5 hours

Text-book.—Bacon, *On the Ear.*

Collateral Reading.—Politzer, *Diseases of the Ear*; Macewen, *Pyogenic Infective Diseases of the Brain and Spinal Cord*; Whiting, *The Modern Mastoid Operation.*

ORTHOPEDIC SURGERY.

CHARLTON WALLACE, M.D., *Professor of Clinical Surgery, Department of Orthopedic Surgery.*

ARTHUR H. CILLEY, M.D., *Assistant Professor of Clinical Surgery, Department of Orthopedic Surgery.*

IRVIN BALENZWEIG, M.D., *Instructor in Clinical Surgery, Department of Orthopedic Surgery.*

KRISTIAN G. HANSON, M.D., *Instructor in Clinical Surgery, Department of Orthopedic Surgery.*

Instruction in this department is carried on in the third and fourth years:

I. In the first term of the third year:

(a) Didactic and clinical lectures are given for one hour a week to the entire class in the college lecture room. Professors Wallace and Cilley.

(b) The students work in sections in the College Clinic for ten hours in the examination and treatment of patients. Prof. Cilley.

II. In the fourth year:

(a) Each section of the class receives bedside instruction in congenital and acquired deformities in the wards of the Hospital for the Ruptured and Crippled, two mornings each week for four weeks.

(b) One morning a week for four weeks each section receives instruction in physiotherapy in reference to the treatment of industrial surgical conditions at the Hospital for Ruptured and Crippled.

CORNELL UNIVERSITY MEDICAL COLLEGE

(c) Students are taught methods of examination and are required to examine the patient, giving a concise resumé of the history, diagnosis and treatment to be employed in each case. Informal recitations and discussions are held for one hour following the case work.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	12 hours	.....
Sections	10 hours	.....
Ward Work .....	.....	36 hours

Text-books.—Whitman and Soutter's *Operative Orthopedics*.

ROENTGENOLOGY.

HARRY M. IMBODEN, M.D., *Professor of Roentgenology*.

ALBERT B. FERGUSON, M.D., *Instructor in Roentgenology*.

RAMSAY SPILLMAN, M.D., *Instructor in Roentgenology*.

WEBSTER N. BELDEN, M.D., *Instructor in Roentgenology*.

The course in this department consists of the demonstration of the apparatus and the method of making Roentgen examination of various portions of the body. The time is largely spent in considering the scope and accuracy of this method of diagnosis in all branches of medicine. This will include the study and interpretation of Roentgenograms showing foreign bodies, fractures, dislocations, and bone and joint lesions, renal, ureteral, and verical calculi and other lesions which can be detected Roentgenographically, including pyelography. Lesions of the skull, the study of the teeth, infections of the accessory sinuses, together with the Roentgeno-diagnosis of joint lesions produced by these infections will be considered. Respiratory lesions—abscesses, tumors of the lungs, mediastinal tumors—are carefully considered, special attention being devoted to the early diagnosis of pulmonary tuberculosis.

Lesions of the gastro-intestinal tract such as strictures and diverticula of the œsophagus, and growths. Particular emphasis will be given to the motor phenomena of the stomach; to the diagnosis of gastro-duodenal lesions such as carcinoma, ulcers of the stomach and duodenum; and to gall-bladder infection, with or without calculi.

As far as possible this work will be carried on in conjunction with the other clinical departments, all students having the opportunity of studying individual cases clinically before the Roentgenographic study, then comparing the clinical findings, the Roentgen findings, and if possible the surgical findings in such cases as require surgical procedure.

After having had demonstrated to them a series of plates on allied subjects the students are in turn required to re-interpret these Roentgenograms to the class. This method has proved exceedingly valuable and will be followed to a great extent.

Finally, the course will conclude with lectures on Roentgeno-therapy covering the treatment of both superficial and deep-seated lesions, describing the cross-fire method, the advantage of high penetration with the Coolidge tube, and methods of dosage in the application of rays with or without filters.

SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY

SUMMARY.

Second Year. Third Year. Fourth Year.

Lectures .....	.....	21 hours	Elective
Sections	10 hours	10 hours	.....

HYGIENE.

JOHN C. TORREY, Ph.D., *Professor of Hygiene.*

LINSLEY R. WILLIAMS, M.D., *Lecturer on Hygiene.*

MORTON C. KAHN, Ph. D., *Instructor in Hygiene.*

Instruction in some of the many branches of hygiene and preventive medicine is given in connection with certain of the courses pursued in the several departments of Bacteriology, Chemistry, Physiology, Pathology and Medicine.

The more distinctive features of this subject, however, are presented in a course of lectures and demonstrations extending throughout the third year. A certain amount of laboratory work is required of each student in the first term. In addition time has been allotted for field work through which the student may acquire experience in making sanitary surveys and visit localities in the vicinity where the practical application of sanitary devices and hygienic methods may be observed.

The laboratory is open to properly qualified students of the third or fourth years who may desire to pursue original investigations under the direction of the staff and in accordance with the regulations of the college office.

SUMMARY.

Third Year.

Lectures and Conferences.....	42 hours
Laboratory Work	72 hours
Field Work	36 hours*

*Eleven afternoons are assigned for field experience.

Text-book.—Park, *Public Health and Hygiene*; Rosenau, *Preventive Medicine and Hygiene*.

Collateral Reading.—MacNutt, *Manual for Health Officers*; Wood, *Sanitation Practically Applied*; Chandler, *Animal Parasites and Human Disease*.

MEDICAL JURISPRUDENCE.

OTTO H. SCHULTZE, M.D., *Professor of Medical Jurisprudence.*

A course of lectures from the standpoint of the medico-legal autopsy, with demonstration of material, will be given by Professor Schultze. This course will cover autopsy technique in medico-legal cases, the autopsy protocol, and laboratory methods for establishing the proof of the cause of death in cases of accident, suicide, and homicide; also, the forensic aspect of the subject in cases of indemnity, liability and criminal prosecution.

The clinical aspects of the subject are covered in the regular course of study by several departments and by special lectures. The responsibilities of the physician towards the insane and their relatives and the general public, and the medico-legal aspects of mental deficiency are discussed by Professor Kirby. In the course on Obstetrics, Professor Bailey takes up the moral and legal side of rape, feigned and unconscious pregnancy, what

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constitutes a "live birth," feigned or unconscious delivery, injury to the fœtus during precipitate labor, post-mortem delivery and the diagnosis of recent delivery. The medico-legal aspects of Toxicology are fully covered during the course in Pharmacology by Professor Hatcher.

MILITARY SCIENCE AND TACTICS.

WILLIAM H. ALLEN, M.D., *Major, M.C., U.S.A., Professor of Military Science and Tactics.*

This course is concurrent with the medical course, extending over a period of four years (two basic and two advanced), and is designed to prepare students for commissions in the medical section of the Officers' Reserve Corps upon graduation in medicine. Instruction embraces lectures and recitations, with graphic and stereopticon demonstrations at college one hour each week.

Summer Camps. One compulsory summer camp during the course is held at the Medical Field Service School, Carlisle, Pa., where actual field conditions are simulated. The whole is calculated to touch every important phase of medico-military science.

At camp the student takes an actual part in the mimic enactment of the various rôles played by the medical service in campaign, of which the two chief functions are the salvage of the wounded and the prevention of disease.

Sanitation, sanitary devices and epidemiological methods in peace and war time are demonstrated. A generous portion of time is given to athletics, field and gymnasium. There is some drill, some mapping and sketching, with such social entertainment as a college town of 10,000 may provide.

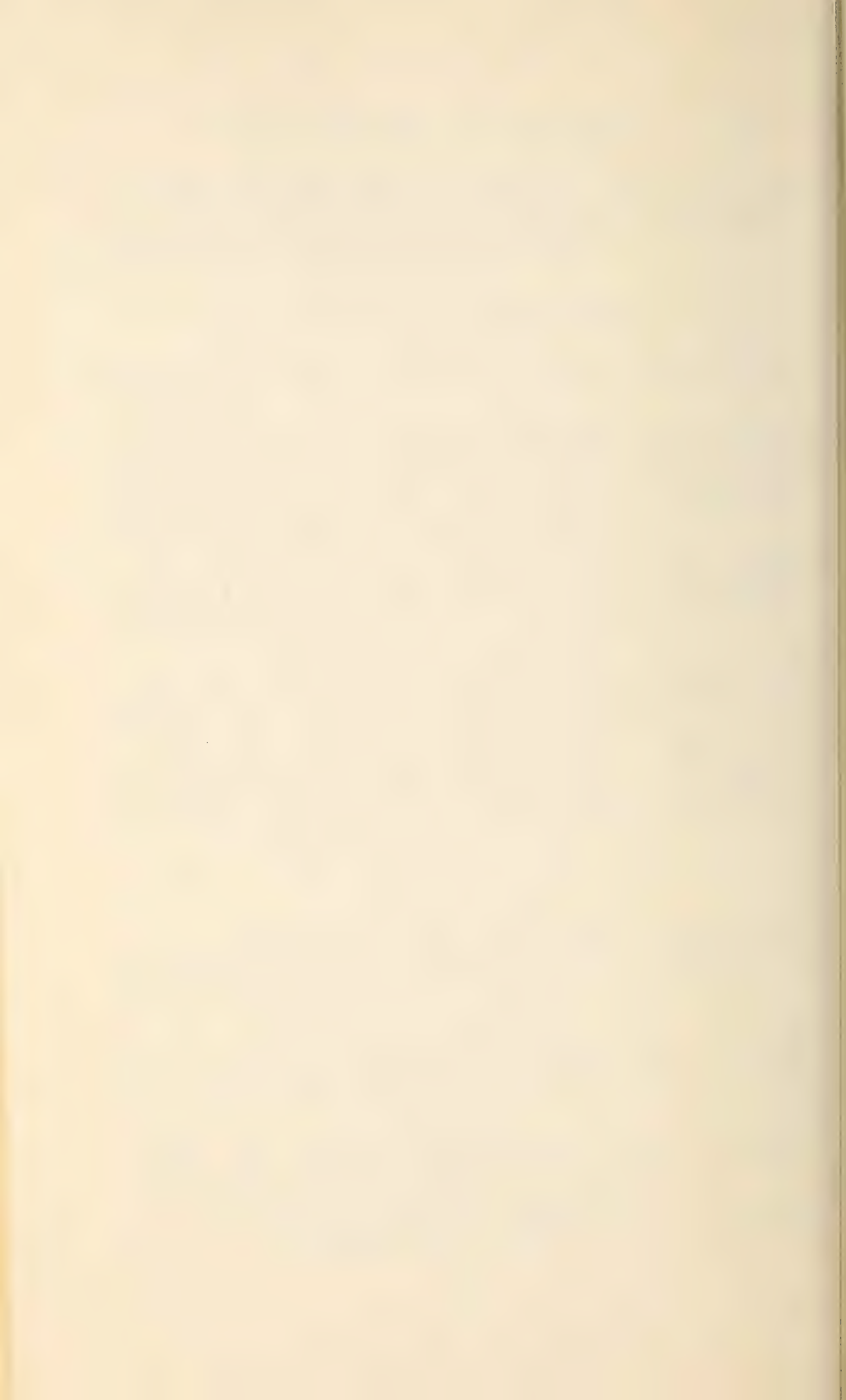
SYNOPSIS OF COURSE.

1st Year. The elements of Medico-military science, including Personal Hygiene, First Aid, Customs of the Service, Articles of War and Court Martial, Organization and Administration, Food, Clothing, Equipment, Shelter.

2nd Year. Sanitary Tactics. The Sanitary Soldier in War. Hygiene and Sanitation of Troops and battle areas. The Medical Regiment. First Aid, Shock, Hemorrhage, Gas, Evacuation and Transportation methods for wounded.

3rd Year. The essentials of Military Hygiene and Sanitation. Water purification (in peace and war); Disposal of Wastes (in peace and war); Hygiene of Moving Troops; the Train, the Ship, the March.

Communicable diseases (in peace and war); Detection; Isolation; Prevention Methods. Sanitation: Garrison and Field. Inspections. Sanitary devices.



SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY

4th Year. Hospitals and Hospitalization (in peace and war); Development of hospitals; Construction; Equipment; Procurement; Government; Service and Practice; Interior Economy; Rules and Regulations.

Administration.

Special War Wounds; War Surgery.

The course may be shortened by allowing credits for competent courses of military training completed elsewhere.

In the advanced Course the Government gives the student the money value of a ration which has usually amounted to about \$9.00 per month. There is an allowance of 70 cents per diem at the Summer Camp, with a ration, and the transportation from College or home to Camp and return, or 5 cents a mile, in lieu of Government transportation.

CORNELL UNIVERSITY MEDICAL COLLEGE

FOURTH YEAR ELECTIVES.

SESSION OF 1925-1926

April 5th to May 29th, 1926

Students will register their courses at the Secretary's office on or before March 1st.

A. ANATOMY.

- I. General Histology. Dr. Chambers. 2 months. Mondays, Wednesdays, Fridays, 9-12. 3-6 students.
- II. Phases of Histogenesis. Dr. Chambers. 2 months. Tuesdays and Thursdays, 10-12. 3-6 students.
- III. Anatomy of the Infant. Dr. Stockard. 2 months. Mondays, Wednesdays, Thursdays, Fridays, 2-5 P.M. 1-4 students.
- IV. Experimental Embryology. Dr. Stockard. 2 months. Tuesdays, 2-3 P.M. Not less than 6 students.
- V. Regional Anatomy. Dr. Morrill. 1 month. 6-10 students.
- VI. Neuro-Anatomy. See Neurology.

Py. PHYSIOLOGY.

- I. Calorimeter Investigation. Dr. Lusk. April only. 4 weeks. 9 A.M.-1 P.M. daily. 2 students.
- II. Electrocardiography. Dr. Edwards. 12 weeks. 1-5 P.M. daily. 1-4 students.

C. CHEMISTRY.

- I. Chemical Pathology. Selected work in Blood Analysis. Dr. Benedict. 1 month. Tuesdays and Thursdays, 10-1. 6-10 students.

Pr. PHARMACOLOGY.

- I. Pharmacology of Cardiac Drugs. Drs. Hatcher and Gold. 2-week periods. Monday, Wednesday, Friday, 2-5 P.M. 4-12 students.

M. MEDICINE.

- I. Clinical Clerks. Drs. Conner, Foster and Stillman. New York Hospital. 1 month periods. Daily, all day. 5 students.
- II. Physical Diagnosis of Diseases of the Chest. Dr. Ryder. Bellevue Hospital. April or May. Tuesday and Thursday, 2-5 P.M. Students are expected to spend at least two mornings per week preparing cases. Open to fourth year students and graduates. 5 students.
- III. Advanced Course in Metabolism Methods. Drs. DuBois, Richardson, Hannon and Shorr. Bellevue Hospital. The hours and work in this course will be arranged, if possible, according to the free time of the students. Instruction will be given in the technique of basal metabolism determinations by various methods including some work with the respiration calorimeter. Students will be instructed in the planning of diets and the methods of conducting metabolism experiments. Each student is expected to take part in some original investigation. 1 or 2 months. Daily, one-half day. 4 students.

FOURTH YEAR ELECTIVES

- IV. Fluoroscopy of the Gastro-Intestinal Tract. Dr. Holland. New York Hospital. 1 month periods. Tuesday and Friday, 4-6 P.M. 6 students.
- V. Electro-Cardiography and Polygraphy. Interpretation of the electro-cardiogram and the use of the polygraph and the interpretation of its records. Dr. Pardee. New York Hospital. 1 month periods. Monday and Friday, 3-5 P.M. 5 students.
- VI. Diagnosis and Treatment of Heart Failure. Dr. Eggleston. Bellevue Hospital. 1 month periods. Monday and Wednesday. 2 to 5 P.M. 6 students. Students are expected to devote at least 2 mornings per week to the preparation of cases and the study of literature.

CP. CLINICAL PATHOLOGY.

- I. Advanced Clinical Pathology, Wednesdays and Fridays, 10-1. One month periods. Dr. W. C. Thro. Icteric Index. Fungi found in skin diseases. Determination of bicarbonate content of blood. Preparation of vaccine. Spinal fluid examination. Dark field examination. Parasites in blood and feces.

S. SURGERY.

- I. Clinical Clerks. Drs. Hartwell, Santee and Dudley. Bellevue Hospital. 1 month periods. All day. 4 selected students.
- II. Surgical Pathology. Bellevue Hospital. Laboratory and wards. 1 month periods. All day. 2 students.
- III. Clinical Clerks. Dr. Gibson. New York Hospital. 1 month periods. All day. 4 students.
- IV. Dispensary Course. New York Hospital. Drs. Farr, Weeden and Cornell. (Clinical course in fractures of upper extremity, minor surgery, "accident" surgery, and care and treatment of post-operative wounds). Length of course 4 weeks. Time:—Tuesday, Thursday and Saturday, 9 to 12. 8 students.
- V. Surgical Diseases in Children. St. Mary's Hospital. Dr. Farr. Mondays, 9 to 12. One month periods. 4 students.
- VI. Surgical Diseases of the Breast. Dr. Lee. Memorial Hospital. The course comprises a general clinical survey of benign and malignant lesions of the breast. Stress is laid on the distinctive diagnostic features of the various lesions and diseases. The work includes an operative clinic and a follow-up clinic once a week, ward rounds and a study of gross specimens and microscopic sections. Daily except Sunday, 9:00 A.M. to 12:00 M. 1 month periods. 3 students.
- VII. Surgical Diagnosis and Minor Surgery. Dr. Taylor. Daily except Saturday, 1:30-4:00 P.M. and Tuesday and Friday, 5:00-7:00 P.M. 1 month periods. 3 students.
- VIII. Experimental Surgery. Pathological Department, Bellevue Hospital. Dr. Coryllos. The course covers animal operative demonstrations on Anaesthesia; Various types of wound healing; grafting, etc.; blood vessel surgery and transfusion; surgical conditions of bones and joints; elementary, thoracic, and abdominal surgery; infectious

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processes in various tissues, organs, and body cavities. Daily 9:00 A.M. to 1:00 P.M. 1 month periods. 8 students.

Ob. OBSTETRICS.

- I. Clinical Clerkship in Obstetrics. Drs. Bailey and Williamson. Berwind Maternity Clinic and Bellevue Hospital. 1 month periods. Full time or 7 A.M.-7 P.M. 15 students. (See page 53 for description.)

Pt. PATHOLOGY.

- I. Tumor Diagnosis. Dr. Ewing. 2 months, 5 days; 1-5 P.M. daily, except Saturdays. 5 students.
- II. Pathological Thesis. Dr. Ewing. 2 months. All day, except Saturday. Saturdays, 9 A.M.-12 M. 5 students.
- III. Gynecological Pathology. Dr. L'Esperance. 1 month. Monday, Wednesday, Friday, 3 to 5 P.M.
- IV. Neuropathology. Dr. Stevenson. 1 month. Hours to be arranged with the Instructor. 6 students.

B. BACTERIOLOGY.

- I. Experimental Laboratory Course in General and Applied Immunology. See Bacteriology, II B, page 43. Dr. Coca.

Note—Since definite assignments cannot be made until the number of applicants is known, students desiring to take this course are requested to apply to the Secretary's Office not later than February first. This will enable the department to consider preferences and make assignments which will not interfere with other electives the student may desire to take.

- II. Clinical Course in Human Hypersensitiveness.

(Asthma, hay-fever, urticaria, angio-neurotic edema, food and drug idiosyncrasies). At the New York Hospital. Dr. Cooke.

- (1) Technique of the cutaneous test.
- (2) Interpretation of the local reaction.
- (3) History taking in atopic cases.
- (4) Diagnosis and Treatment.

Note—This course is given twice weekly in the evening, only in conjunction with the Experimental Laboratory Course in General and Applied Immunology.

N. NEUROLOGY.

COURSES IN NEUROLOGY AND NEURO-ANATOMY. ONE-MONTH PERIODS.

- I. Neurology: clinics at Cornell Dispensary Monday, Tuesday, Thursday, 1 to 3 P.M.
- II. Neurology: Bellevue Hospital. Dr. Kennedy and Assistants. Two days weekly, 10 A.M. to 12 M., and every afternoon in the Neurological Wards.
- III. Neurological Clinic. Neurological Institute. One day, 2-5 P.M. Dr. Junius W. Stephenson.
- IV. Neuro-Anatomy. Three days. 9 to 11 A.M. Dr. Stockard. This course will be held for one week out of the four. Students will be provided with a specimen brain for dissection.

FOURTH YEAR ELECTIVES

Students who desire additional Neurology can make arrangements with the teachers.

Students can take such parts of this course as they choose, except that it is imperative that they take at least the afternoon course at the College Clinic.

Ps. PSYCHIATRY.

- I. Clinical psychiatry, with special reference to incipient and border line cases in relation to general practice. Dr. Brown and assistants. For groups of 6 students at the College Dispensary 3 forenoons a week, Monday, Wednesday and Thursday, 9 to 11 A.M. for 1 month.
- II. Clinical psychiatry, examination of hospital cases with opportunity to study different types of psychoses. Drs. Kirby and Bunker and Hinsie. For 6 students, at the Psychiatric Institute. Ward's Island, 3 forenoons a week, Monday, Wednesday and Friday, for 1 month.

Pd. PEDIATRICS.

- I. Clinical Pediatrics. Drs. Schloss, Schroeder, Sammis and Hoag. New York Nursery and Child's Hospital daily 9 A.M. to 5 P.M. for periods of 1 month. Limited to 3 or 4 students.
- II. Clinical Pediatrics. Dr. Stimson.
 - (a). Cornell Clinic, Mondays 1:30-4; Wednesdays and Fridays 10-12:30. Malnutrition in older children. Unusual conditions for diagnosis and treatment.
 - (b) Willard Parker Hospital, Tuesdays 1:30-3:30 and Thursdays 1:30-3:30. The students will assist in the work of the third year clinics.

G. GYNECOLOGY.

- I. Clinical Gynecology. Dr. Ward. Woman's Hospital. 1 month periods. Daily, as scheduled below. Work conducted in Wards, Operating Room, Laboratory and O. P. D. Preparation of a thesis or special research problem. 4 selected students.

A. FIRST TWO WEEKS.

Monday.

- | | |
|-------------------------|------------------------|
| 9-12. Operative Clinic. | 2-4. Operative Clinic. |
| 12- 1. Study. | 4-5. Pathological Lab. |

Tuesday.

- | | |
|---------------------------|------------------------|
| 9-11. Pathological Lab. | 2-5. Operative Clinic. |
| 11-12:20. Cystos. Clinic. | |

Wednesday.

- | | |
|-------------------|------------------------|
| 9-10. O. P. D. | 2-4. O. P. D. |
| 10-11. Follow-up. | 4-5. Pathological Lab. |
| 11- 1. Study. | |

Thursday.

- | | |
|---------------------------|-------------------------------|
| 9-11. Pathological Lab. | 2-4. Operative Clinic. |
| 11-12:30. Cystos. Clinic. | 4-5. Pathological Lab. |
| | 5 Conference, Surgical Staff. |

CORNELL UNIVERSITY MEDICAL COLLEGE

Friday.

- | | |
|-------------------------|------------------------|
| 9-11. Operative Clinic. | 2-5. Operative Clinic. |
| 11-12. Conference. | |
| 12- 1. Study. | |

Saturday.

- | | |
|----------------|---------------|
| 9-11. O. P. D. | 2-3. O. P. D. |
| 11- 1. Study. | |

B. SECOND TWO WEEKS.

Monday.

- | | |
|-------------|------------------------|
| 9-1. Wards. | 2-4. Operative Clinic. |
| | 4-5. Pathological Lab. |

Tuesday.

- | | |
|-------------|------------------------|
| 9-1. Wards. | 2-5. Operative Clinic. |
|-------------|------------------------|

Wednesday.

- | | |
|-------------|------------------------|
| 9-1. Wards. | 2-4. O. P. D. |
| | 4-5. Pathological Lab. |

Thursday.

- | | |
|-------------|-------------------------------|
| 9-1. Wards. | 2-4. Operative Clinic. |
| | 4-5. Pathological Lab. |
| | 5 Conference, Surgical Staff. |

Friday.

- | | |
|--------------------|------------------------|
| 9-10. Wards. | 2-5. Operative Clinic. |
| 10-11. Conference. | |
| 11- 1. Study. | |

Saturday.

- | | |
|---|---------------|
| 9-1. Wards. | 2-3. O. P. D. |
| II. Clinical Gynecology. Dr. McGrath, Cornell Clinic. 1 month periods.
Daily, 1-4 P.M. 3 students. | |

D. DERMATOLOGY.

- I. Clinical Dermatology and Salvarsan Administration. Drs. Schwartz, Levin, Gilmour, Frazer and Rulison. 1 month periods. Daily, 1:30-4 P.M. 6 students.

L. LARYNGOLOGY.

- I. Clinical Courses in Laryngology and Rhinology. Drs. Montgomery and Palmer. 1 month periods. Mondays, Tuesdays and Fridays. 1-4 P.M. College Dispensary. 2 students.

Op. OPHTHALMOLOGY.

- I. Operative Ophthalmology. Dr. Reese. N. Y. Eye and Ear Infirmary. 1 month periods. Wednesday, 2-6 P.M. 20 students.
- II. Ophthalmoscopy and Refraction. Dr. Drake. N. Y. Eye and Ear Infirmary. Mondays and Fridays, 2-4 P.M. 1 month periods. 6 students.
- III. Ophthalmoscopy and Refraction. Dr. Samuels. N. Y. Eye and Ear Infirmary. 1 month periods. Mondays and Wednesdays. 2-4 P.M. 6 students.

FOURTH YEAR ELECTIVES

- IV. Ophthalmoscopy and Refraction. Dr. Vandegrift. Cornell Dispensary. 1 month periods. Mondays, Wednesdays, and Fridays. 2-4 P.M. 6 students.
- V. Operative Ophthalmology. Dr. Samuels. N. Y. Eye and Ear Infirmary. 1 month periods. Fridays, 2-4 P.M. 20 students.
- VI. Ophthalmoscopy and Refraction. Dr. Oast. N. Y. Eye and Ear Infirmary. 1 month periods. Mondays and Fridays, 2-4 P.M.
- VII. Ophthalmoscopy. Dr. Kelly. N. Y. Eye and Ear Infirmary. 6 weeks periods. Mondays and Fridays, 2-4 P.M. 10 students.
- VIII. Operative Ophthalmology. Dr. Kelly. N. Y. Eye and Ear Infirmary. 1 month periods. Wednesdays, 2-6 P.M. 20 students.
- IX. Clinical Ophthalmology. Dr. Samuels, Cornell Clinic. Tuesdays and Thursdays, 1-4 P.M. 6 students.
- X. Ophthalmoscopy. Dr. A. B. Reese. N. Y. Eye and Ear Infirmary. Mondays and Fridays, 2-4 P.M. 10 students.
- XI. Operative Ophthalmology. Dr. A. B. Reese. N. Y. Eye and Ear Infirmary. Wednesdays, 2-4 P.M. 20 students.
- XII. Ophthalmoscopy and Refraction. Dr. Oast. Cornell Clinic, Tuesdays and Thursdays, 1-4 P.M. 6 students.

Ot. OTOTOLOGY.

- I. Otology. Dr. Whiting. N. Y. Eye and Ear Infirmary. 1 month periods. Mondays, Wednesdays and Fridays, 2-3 P.M. 5 students.
- II. Otology. Dr. McAuliffe. College Clinic. 1 month periods. Tuesdays and Fridays, 1-4 P.M. 3 students.

Or. ORTHOPEDICS.

- I. The Orthopedic Department of the Hospital for Ruptured and Crippled on Tuesdays, Thursdays and Saturdays, from 1-3, by Doctors Wallace and Balenzweig. 10-12 students.
- II. The College Clinic. Mondays, Wednesdays and Fridays, 1-4 P.M. 2 students for 1 month periods. Dr. Cilley.

H. HYGIENE.

- I. Laboratory Methods and Procedures. Drs. Torrey and Kahn. Loomis Laboratory. Daily, 1 to 5 P.M., for 2 months. 2 students.

U. UROLOGY.

- I. Minor Urology. Dr. Wilson, College Clinic. 1 month periods. Daily, 1-4 P.M. 8 students.
- II. Major Urology. Drs. Stevens and Jeck. Bellevue Hospital, Ward K4, 8.30 A.M. to 5 P.M., daily. Diagnosis and Treatment of Surgical Urological conditions. 1 month. 6 students.

N.B.—Courses I. and II. may be combined.

- III. Minor Urology and Elementary Cystoscopy. Dr. Wilson, as in Course I. 2 months, April and May. Daily, 2 to 4 P.M. 4 students.
- IV. Diagnosis and Treatment of Neoplasms of the Urinary and Male Genital Tracts. Dr. Barringer. Memorial Hospital. Subject to special arrangement with instructor.

NOTE—In addition to the above, students will often be able to arrange individual work on application to the heads of Departments.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

SCHEDULE OF COURSES

FIRST YEAR—SESSION OF 1925-1926—FIRST TERM

September 29th to December 19th.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	A N A T O M Y					
10						
11						
1	Anatomy (Histology and Embryology)	Chem. L.	Anatomy (Histology and Embryology)	Chem. L.	Anatomy (Histology and Embryology)	
2		Anatomy				
3				Chem. Lab.		
4						
5		Military Science L.				

FIRST YEAR—SESSION OF 1925-1926—SECOND TERM

January 4th to March 13th.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	Anatomy (Histology and Embryology)				Anatomy (Histology and Embryology)	
10				Anatomy		
11						
1	Anatomy	Chem. L.	Anatomy	Chem. L.	Anatomy	
2						
3		Chem. Lab.		Chem. Lab.		
4				Military Science L.		

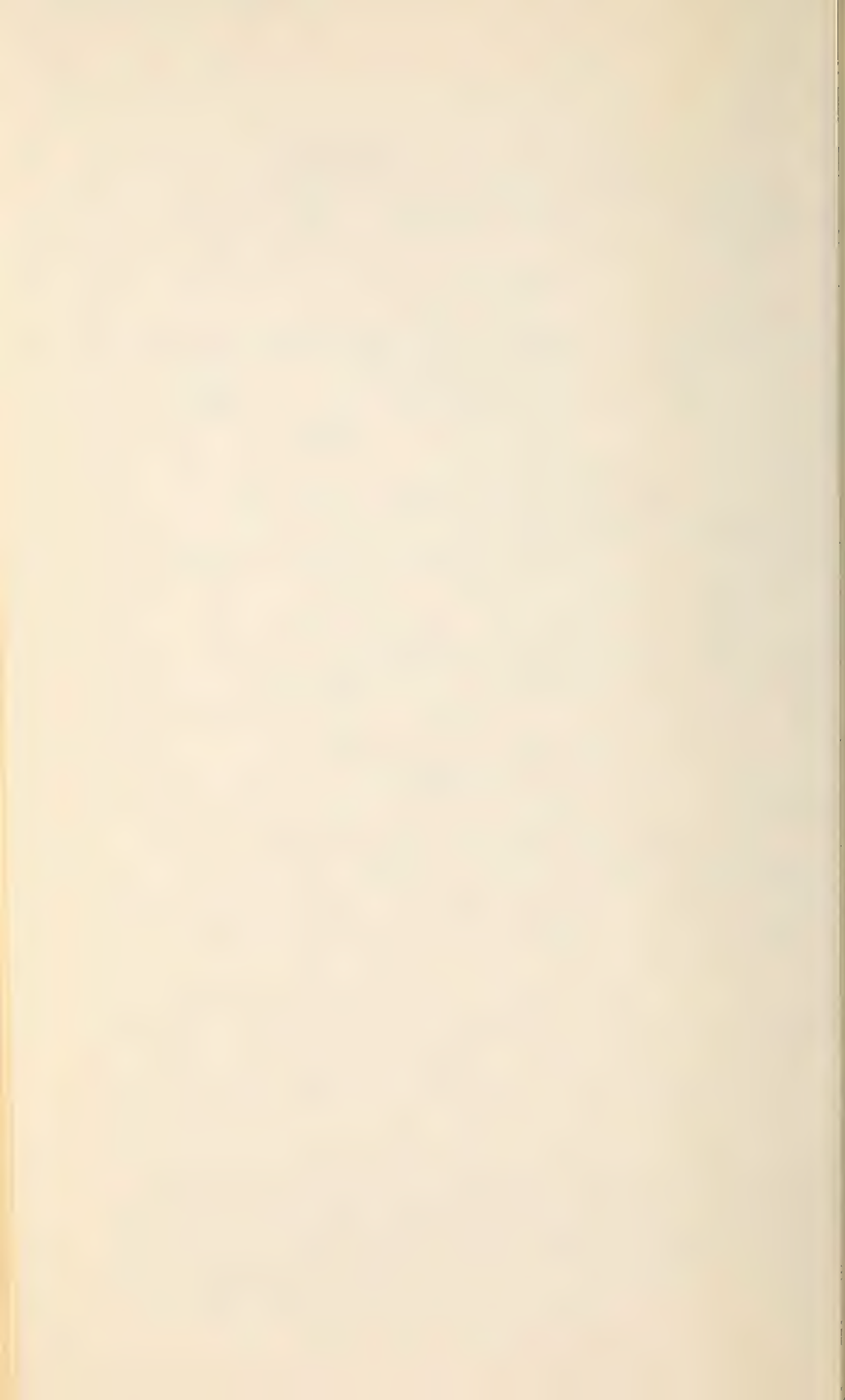
FIRST YEAR—SESSION 1925-1926—THIRD TERM

March 15th to May 29th.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	Chem. L.	Physiol. L.	Chem. L.	Physiol. L.	Physiol. L.	Physiol. L.
10	Chem. Lab.	Physiol. Lab.	Chem. Lab.	Physiol. Lab.	Chem. R.	Physiol. Lab.
11						
12						
2	Anatomy (Neuro-Anat.)	Physiol. R.	Anatomy (Neuro-Anat.)	Physiol. R.	Anatomy (Neuro-Anat.)	
3		Military Science L.				
4						

Abbreviations.—L., lectures; Lab., laboratory; Rec., recitations; Sec., section (the class being assigned to two or more divisions for certain exercises); B. H., Bellevue Hospital (Second Division); B. H. 4, Bellevue Hospital (Fourth Division); B. M. C., Berwind Maternity Clinic; C. D., College Dispensary; Man. Mat., Manhattan Maternity Hospital; Mem. H., Memorial Hospital; N. C., New York Nursery and Child's Hospital; N. Y., New York Hospital; O. P. D., Bellevue Hospital, Out Patient Department; R. & C., Hospital for the Ruptured and Crippled; St. L., St. Luke's Hospital; St. M., St. Mary's Hospital; W. I., Ward's Island, Manhattan State Hospital; W. P., Willard Parker Hospital.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.



SECOND YEAR—SESSION OF 1925-1926—FIRST TERM

September 29th to December 19th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Physiology Lect. †	Physiology Lect. †	Physiology Lect. †	Physiology † Lect.	Physiology	Surgery	9
10	Physiology Lab. †	Pathology Lab	Physiology Lab. †	Pathological Anatomy	Physiology Lab. †	Clinic	10
11						Pathology	11
12		Military Science Lect. † Prof. Allen		Surgery Rec.		Lab.	12
1							1
2	Physiology Rec. †	Surgery Lect.	Physiology Rec. †		Physiology Seminar †		2
3	Medicine Clinic N. Y. §	Physical Diagnosis Lect. and Demonstr.	Medicine Clinic B.H. (Pathological Physiology)		Medicine Lect. (Path. Physiol.)		3
4							4
5							5

*Last three weeks only.

†First nine weeks only.

§First six weeks only.

‡Elective

SECOND YEAR—SESSION OF 1925-1926—SECOND TERM

January 4th to March 13th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9		Sections (See Schedule I)	Pathology Laboratory	Sections (See Schedule I)	Pathology Laboratory	Sections (See Schedule I)	9
10	Pathology Laboratory	Military Science Lect. † Prof. Allen	Pathological Anatomy		Medicine Rec.		10
11							11
12							12
1							1
2	Bacteriology Laboratory						2
3							3
4							4
5							5

‡Elective.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 72.

SECOND YEAR—SESSION OF 1925-1926—THIRD TERM

March 15th to May 29th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Pharmacology Laboratory	Surgery Clinic St. L.	Pathology Laboratory	Pharmacology Laboratory	Surgery Clinic, B. H.	Pathology Laboratory	
10					Pathology Laboratory		
11							Pathological Anatomy
12							
1	Medicine Clinic B. H.	Dermatology Clinic	Military* Science Lect. Prof. Allen		Urology Lect.		
2	Sections { Bacteriology { A to E, March 15 to April 24 College Clinic { F to J, March 15 to 20 and Apr. 20 to May 29 F to J, March 22 to April 24 A to E, April 26 to May 29						
3							
4							
5		Medicine Rec.		Ophthalmology Clinic			

*Elective.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 72.

THIRD YEAR—SESSION OF 1925-1926—FIRST TERM

September 29th to December 19th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Pathology Laboratory	Hygiene Lab.	Medicine Lect. Prof. Conner	Hygiene Lab.	Pathology Laboratory	Hygiene Lab.	9
10			Medicine Rec.				10
11	Medical Clinic C. D.	Clinical Pathology				Obstetrics Rec. Prof. Bailey	11
12						Surgery Rec.	12
1							1
2	Hygiene Field Excursion	Ophthalmology Clinic Prof. Reese		Military† Science Prof. Allen	Pharmacology Prof. Hatcher		2
3		Pharmacology Lect. Prof. Hatcher		Pharmacology Lect. and Lab.	Dermatology Clinic Prof. Schwartz		3
4		Obstetrics Lect. Prof. Bailey		Rec.	Psychiatry Clinic Prof. Kirby		4
5							5

† Elective

THIRD YEAR—SESSION OF 1925-1926—SECOND TERM

January 4th to March 13th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Surgery Lect. Prof. Gibson	Surgery Sections * St. L.	Medicine Lect. Prof. Conner	Pediatrics Clinic, N. & C. Prof. Schloss	Hygiene Lect.	Urology Clinic B.H. Prof. Keyes	9
10	Pediatric Rec.	Pathological Anatomy B.H.*	Medicine Rec.		Obstetrics Rec.		10
11	Operative Surgery	Surgery Sections * Mem. H.	Hygiene Lect.	Psychiatry Clinic Prof. Kirby	Operative Surgery	Psychiatry Lect. Prof. Kirby	11
12			Military† Science Lect. Prof. Allen	Surgery Rec.		Surgery Rec.	12
1							1
2	S E C T I O N S (See Schedule III)						2
3							3
4	Roentgenology Lect. Prof. Imboden	Obstetrics Clinic Prof. Bailey	Dermatology Clinic Prof. Schwartz	Otology Lect. or Clinic Prof. Whiting	Neurology Clinic Prof. Dana		4
5							5

*Sections A to E take Surgery the first half term, Pathological Anatomy the second. Sections F to J take Surgery the second half term, Pathological Anatomy the first. Sections change 9 A.M., Feb. 9, 1926.

† Elective

For abbreviations see page 72

THIRD YEAR—SESSION OF 1925-1926—THIRD TERM

March 15th to May 29th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday		
9	Surgery Lect. Prof. Gibson	Psychiatry Clinic, W. I. Prof. Kirby	Hygiene Lect.	Pediatrics Clinic, N. C. Prof. Schloss	Surgery Clinic, N. Y. Prof. Gibson	Military† Science Lect. Prof. Allen	9	
10	Pediatrics Rec.		Medicine Rec.			Hygiene Lect.	10	
11	Surgery Rec.		Medicine Clinic, C. D. Prof. Conner			Obstetrics Rec.	Psychiatry Lect. Prof. Kirby	11
12	Surgery Lect. Prof. Hitzrot						Therapeutics Prof. Goodridge	Surgery Rec.
1							1	
2	S E C T I O N S (See Schedule III)						2	
3							3	
4	Roentgenology Lect. Prof. Imboden	Obstetrics Clinic Prof. Bailey		Laryngology Lect. Prof. Smith	Neurology Lect. Prof. Kennedy		4	
5							5	

† Elective

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 72.

FOURTH YEAR—SESSION OF 1925-1926

September 28th, 1925 to March 27th, 1926.

	Medicine		Surgery		Neurology	Pediatrics	Orthopedics	Obstetrics	Elective†
	N. Y.	B. H.	N. Y.	B. H.	B. H. M. W. F. 2:5 P.M.	N. C. S. Tu. Th. S. 9 A.M.- 1 P.M.	R. & C.— M. W. F. 9 A.M.-12 N.	B. M. C. and Gynecology Wom. Hosp.	T. Th. S. 2:5 P.M.
September 28 to October 24	A	D	F	C	E	E	E	(See opposite page for assignments.)	E
October 26 to November 21	B	E	D	A	F	F	F		F
November 23 to December 19	C	F	E	B	D	D	D		D
January 4 to 30	D	A	C	F	B	B	B		B
February 1 to 27	E	B	A	D	C	C	C		C
March 1 to 27	F	C	B	E	A	A	A		A
March 29 to April 3	Examinations in all subjects.								

†Students desiring electives will first consult the head of department and then register at the Secretary's office four weeks in advance for Elective work on Tuesday, Thursday and Saturday P.M.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 72.

FOURTH YEAR SECTIONS in Gynecology and Obstetrics

Session of 1925-1926

			Obstetrics Section, B. M. C. full time*	Gynecology Section Wom. Hosp., 9 A.M.—5 P.M.
September	27th, 1925 to October	10th, 1925....	B ₂	B ₁
October	11th, 1925 to October	24th, 1925....	B ₁	B ₂
October	25th, 1925 to November	7th, 1925....	C ₂	C ₁
November	8th, 1925 to November	21st, 1925....	C ₁	C ₂
November	22nd, 1925 to December	5th, 1925....	A ₂	A ₁
December	6th, 1925 to December	19th, 1925....	A ₁	A ₂
December	20th, 1925 to January	2nd, 1926....		
January	3d, 1926 to January	16th, 1926....	E ₁	E ₂
January	17th, 1926 to January	30th, 1926....	E ₂	E ₁
January	31st, 1926 to February	13th, 1926....	F ₁	F ₂
February	14th, 1926 to February	27th, 1926....	F ₂	F ₁
February	28th, 1926 to March	13th, 1926....	D ₁	D ₂
March	14th, 1926 to March	27th, 1926....	D ₂	D ₁

*Students report at 9 A.M. on the first day of each assignment.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 72

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9						
10						
11						
12						
1						
2						
3						
4						
5						

March 29th to April 5th, Final Examination Week.)

ELECTIVES

Students will register their courses at the College office on or before March 1st

(No course can be dropped without written permission from heads of all departments concerned, and the Dean.)

Students will take work in Pathological Anatomy (Autopsies) as posted on Bulletin Board.

Abbreviations.—L., lectures; Lab., laboratory; Rec., recitations; Sec., section (the class being assigned to two or more divisions for certain exercises); B. H. 4, Bellevue Hospital (Fourth Division); B. H. 5, Bellevue Hospital (Second Division); B. H. 6, Bellevue Hospital (Third Division); B. M. C., Berwind Maternity Clinic; C. D., College Dispensary; H. S., Hudson Street House of Relief; Man. Mat., Manhattan Maternity Hospital; N. C., New York Nursery and Child's Hospital; N. L., Neurological Institute; N. Y., New York Hospital; O. P. D., Bellevue Hospital, Out Patient Department; Recn. H., Reconstruction Hospital; R. & C., Hospital for the Ruptured and Crippled; St. L., St. Luke's St. M., St. Mary's Hospital; W. I., Ward's Island, Manhattan State Hospital; W. P., Willard Parker Hospital.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

DETAIL SCHEDULE OF SECOND AND THIRD YEARS SECTION CLASSES

SESSION OF 1925-1926

NOTE.—Section periods in each instance include both dates. Sections are designated by letters; a figure following indicates a half section.

Section Schedule I.

SECOND YEAR—SECOND TERM—JANUARY 4th TO MARCH 13th, 1926

"Hospital Sections"	Jan. 5-21	Jan. 23-Feb. 5	Feb. 9-25	Feb. 27-Mar. 13
Surgery, 9-10.30 A.M. Tues. & Sat., B.H.; Thur., St.M.	A B C ₁	C ₂ D E	F G H ₁	H ₂ I J
Medicine, 9-11 A.M. Tues., Thur. & Sat., B.H.	C ₂ D E	F G H ₁	H ₂ I J	A B C ₁
Medicine, 9-11 A.M. Tues., Thur. & Sat., N. Y.	F G H ₁	H ₂ I J	A B C ₁	C ₂ D E
Medicine, 9-11 A.M. Tues., Thur. & Sat., B.H. IV	H ₂ I J	A B C ₁	C ₂ D E	F G H ₁

The numerals 1 or 2 after a section letter indicate the 1st or 2d half section.

Section Schedule II

SECOND YEAR—SECOND TERM—MARCH 15th TO MAY 29th, 1926

"Cornell Clinic Sections"		Monday 2.30-4.30 P.M.	Tuesday 2-4 P.M.	Wednesday 2-4 P.M.	Thursday 2-4 P.M.	Friday 2-4 P.M.
Dermatology	March 22—April 24	F	G	H	I	J
	April 26—May 29	A	B	C	D	E
Laryngology	March 22—April 24	J	F	G	H	I
	April 26—May 29	E	A	B	C	D
Urology	March 22—April 24	I	J	F	G	H
	April 26—May 29	D	E	A	B	C
Ophthalmology	March 22—April 24		H I		J F	G
	April 26—May 29		C D		E A	B
Roentgenology	March 22—April 24		G H F*	I J		
	April 26—May 29		A B C*	D-E		

*Tues. 5-6 P. M. Note change of hour.

NOTE.—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 72

SECTION SCHEDULE III

THIRD YEAR—SECOND AND THIRD TERMS

January 4th to May 28, 1926

Term II, Jan. 4—Mar. 13						Term III, Mar. 15—May 28				
	Mon.	Tues.	Wed.	Thurs.	Fri.	Mon.	Tues.	Wed.	Thurs.	Fri.
Medicine, C.D., 2-4 P.M.	A	B	C	D	E	F	G	H	I	J
Dermatology, C.D., 2-3 P.M.	B	C	D	E	A	G	H	I	J	F
Laryngology, C.D., 3-4 P.M.	B	C	D	E	A	G	H	I	J	F
Pediatrics N.C., 1.30-3.30 P.M.	C	D	E	A	B	H	I	J	F	G
Obstetrics, (Manikin Sec.) 3-4 P.M.	D J		A		C G	I E		F		H B
Gynecology, C.D., 2-4 P.M.*	E ₁ E ₂	A ₁ A ₂	B ₁ B ₂	C ₁ C ₂	D ₁ D ₂	J ₁ J ₂	F ₁ F ₂	G ₁ G ₂	H ₁ H ₂	I ₁ I ₂
Orthopedics, C.D., 2-4 P.M.*	E ₂ E ₁	A ₂ A ₁	B ₂ B ₁	C ₂ C ₁	D ₂ D ₁	J ₂ J ₁	F ₂ F ₁	G ₂ G ₁	H ₂ H ₁	I ₂ I ₁
Otology, C.D., 2-3 P.M. (5 times only, beginning Jan. 25 and April 5.	I	J	F	G	H	D	E	A	B	C
Obstetrics, B. H. (or Man. Mat.)† 2-4 P.M.	G H		I J		F	B C		D E		A
Pediatrics, W. P.‡ 2 to 3.45 P.M.		G I		F H J			B C		A D E	
Roentgenology, 1-2 P.M.	I J F ₁		F ₂ G H			D E A ₁		A ₂ B C		

*Each half section takes 5 weeks only—Sections change at 9 A.M., Feb. 8 and April 19, 1926.

†Two sections at one time on Mondays and Wednesdays.

‡First three exercises at the College, thereafter at W. P. Hospital.

Sections G, I, F, H and J report at the College Thursdays only Jan. 4 to 25, thereafter at W. P. Hospital, G and I on Tuesdays, F, H and J on Thursdays, as scheduled.

Similarly, sections B, C, A, D and E report at the College Thursdays only, March 15, to April 5; thereafter at W. P. Hospital, B and C on Tuesdays, A, D and E on Thursdays as scheduled.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 72.

EXAMINATIONS AND ADVANCEMENT IN COURSE.

I. Advancement.—Students are advanced in course from one year to the next upon recommendation by heads of departments after examination in the work of that year, but examinations may, at the discretion of the Head of the Department, include all the work previously covered in the year or years preceding the examination in question. There is, however, no unnecessary repetition of subjects taught from year to year.

II. Examinations.—Examinations for advancement in course, graduation and admission to advanced standing are held at the close of the year, except that in each course extending through a part of the year only, the examination may be held at the close of the course.

A grade of 75 per cent. is required to pass; a student failing to pass is either conditioned or dropped (see subjects of examinations, etc., pages 82 to 84).

A conditioned student may be re-examined in September.

A student who fails to pass all of his conditions in September shall not be allowed to register in the succeeding year of the curriculum, but shall be required to repeat the year.

A dropped student shall not be re-examined nor shall he be re-admitted to this College.

III. Record of Grades.—At the completion of a final examination at the end of a course the grades of each student are to be promptly compiled and submitted by the examiner to the College office for record by the Secretary, and grades once recorded are not subject to change except in accordance with the rules governing re-examination (See II.).

IV. Final Examinations.—Annual examinations are held at the end of a course, or coincident group of courses, in the hours allotted to said courses, or during the last week of the session, at the discretion of the head of the department, who will give notice of the date of examination through the office of the Secretary. All such final examinations are conducted under the direction of the head of the Department.

Subjects of Examination for Completion of the First Year.

*Anatomy.

Physiology.

*Chemistry (including laboratory work).

*Histology and Embryology.

*Neuro-Anatomy.

Military Science.

EXAMINATIONS AND ADVANCEMENT IN COURSE

Conditions allowed: Not more than 40% of required hours (see table, page 92).

NOTE—All conditions must be successfully passed before entrance into the next succeeding year will be allowed.

Subjects of Examination for Completion of the Second Year.

*Physiology and Nutrition.

Pathology.

*Bacteriology.

Medicine

Surgery.

*Anatomy.

*Pathological Anatomy.

Conditions allowed: Not more than 30% of required hours (see table, page 92).

(See note above.)

Subjects of Examination for Completion of the Third Year.

*Pathology.

*Obstetrics.

Medicine.

Surgery.

Pharmacology

Therapeutics.

*Clinical Pathology.

Pediatrics.

Hygiene.

Neurology.

*Urology.

*Otology.

Ophthalmology.

*Laryngology and Rhinology.

*Dermatology.

Psychiatry.

Conditions allowed: Not more than 30% of required hours (see table, page 92).

(See note above.)

Subjects of Examination for Completion of the Fourth Year and Graduation.

Medicine.

Surgery.

Pediatrics.

Neurology.

Orthopedic Surgery.

Gynecology.

Conditions allowed:—

*In the subjects thus marked the examination is given at the end of the course, under the direction of the head of the department. In other subjects the final examination is at the end of the year.

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If any student fails to pass in not more than 30% of the required hours (see table, page 92), a re-examination in those subjects may be allowed, and if the candidate is then successful the degree may be conferred.

If the candidate fails to pass in any subject at this second examination, the work of the fourth year must be repeated.

REQUIREMENTS FOR GRADUATION.

1. Candidates for the degree of doctor of medicine must have studied medicine for four full years in an accredited medical college, and the fourth year at least must have been spent in the Cornell University Medical College.

2. Candidates must present satisfactory evidence of good moral character and of being not less than twenty-one years of age.

3. Candidates must file with the Secretary of the Faculty satisfactory evidence of having complied with the entrance requirements (see page 26), together with the requisite legal medical student certificate.

NOTE—This certificate is issued by the Department of Education of the State of New York on presentation of required credits and a diploma from a recognized College or University or properly attested certificate showing that such a diploma has been granted, together with a fee of one dollar. If the student so requests, the Secretary of the Faculty may forward such diploma or certificate to the Department of Education of the State of New York with a request for the legal student certificate.

4. Candidates must have dissected at least one lateral half of the cadaver. They must, further, have taken the regular course of two weeks in practical obstetrics, and a certificate* covering this course must be filed at the Secretary's office before registration for the final examinations, which begin about the last week of May.

5. In addition to the yearly examinations above specified for advancement in course, candidates must pass during the fourth year examinations in medicine, surgery, pediatrics, neurology, orthopedic surgery and gynecology.

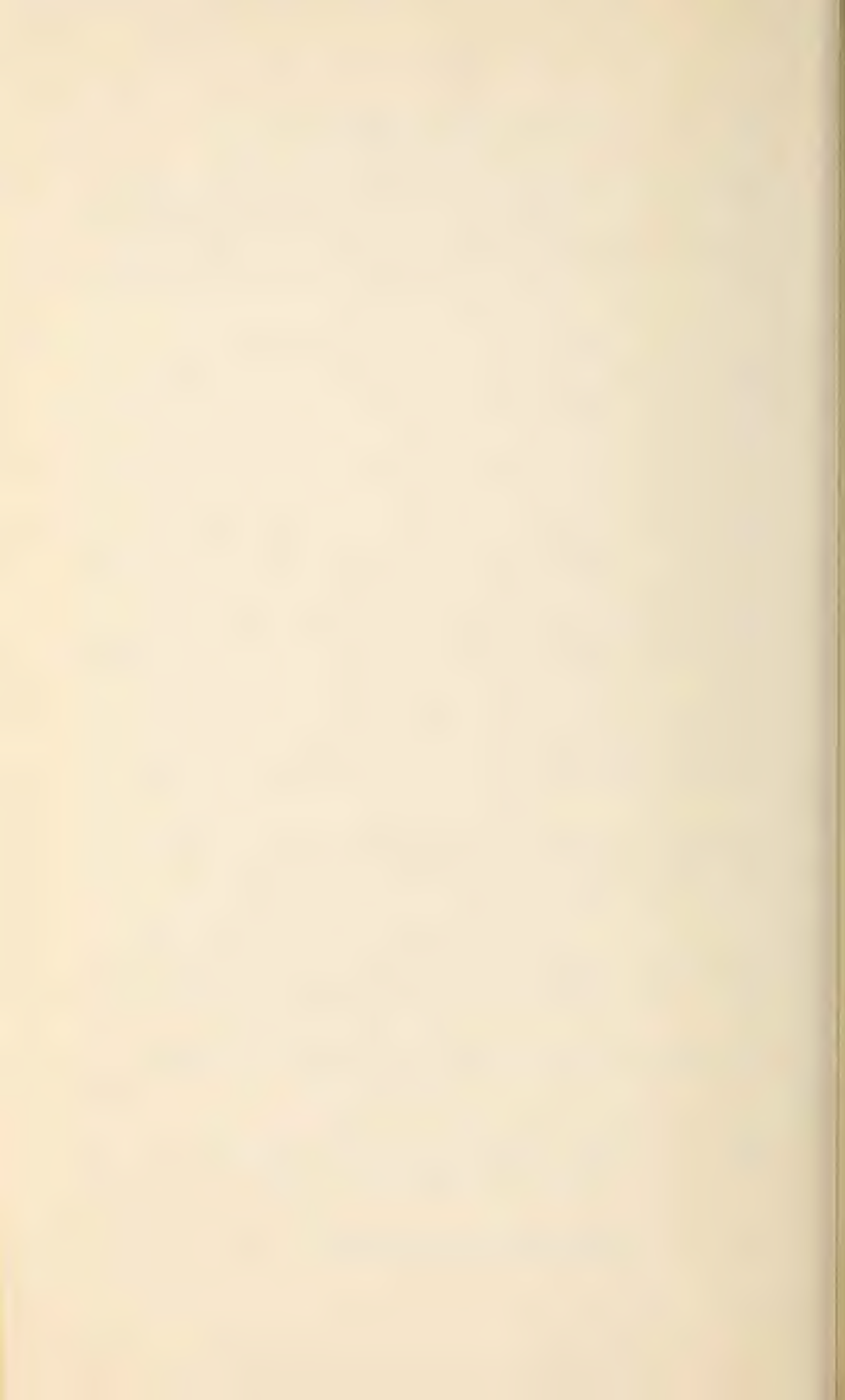
6. Candidates rejected at the final examination will not be re-examined until after having repeated the fourth year of study.

Before being readmitted to the fourth year the candidate may be required to pass a satisfactory examination in anatomy, physiology, chemistry, and the subjects of the preceding years.

7. The degree will not be conferred upon any candidate who absents himself from the public Commencement without the special permission of the Faculty.

8. The Faculty reserves the right to terminate the connection of any student with the institution *at any time* on the ground of what they may deem moral or mental unfitness for the profession, or improper conduct while connected with the College.

*This certificate must set forth the number of obstetrical cases personally attended by the student.



EXAMINATIONS AND ADVANCEMENT IN COURSE

DIPLOMAS OF LICENTIATE OF THE ROYAL COLLEGE OF PHYSICIANS OF LONDON AND MEMBERSHIP OF THE ROYAL COLLEGE OF SURGEONS OF ENGLAND.

Graduates of the Cornell University Medical College are admitted to the final examinations for diploma of Licentiate of the Royal College of Physicians of London and Membership of the Royal College of Surgeons of England, upon presenting proper certificates that certain conditions applicable to the foreign universities and colleges, which are recognized by the examining board, have been complied with.

Further information may be obtained from the Secretary of the Board (Mr. F. G. Hallet) at the Examination Hall, Queen's Square, Bloomsbury, London, W. C.

Prizes.

I. For general efficiency.

In commemoration of John Metcalfe Polk, an Instructor in this College, who was graduated from the Medical Department of Cornell University on June 7, 1899, and died on March 29, 1904, an annual prize of \$500 will be presented at each Commencement to the members of the Graduating Class who have pursued the full course of study in Cornell University Medical College.

This prize will be awarded as follows:

To the student having the highest standing	\$300
To the student having the second highest standing	125
To the student having the third highest standing	75

II. For efficiency in Gynecology.

In memory of William M. Polk, M.D., LL.D., Dean and Professor of Gynecology in Cornell University Medical College from its establishment in 1898 until his death, June 23, 1918, an annual prize, established by Mrs. Polk, of \$200, to the two members of the Senior Class in order of merit, for obtaining especial distinction in the Department of Gynecology.

This prize will be awarded as follows:

To the student attaining the highest distinction	\$125
To the student attaining the next highest distinction	75

III. For efficiency in Otology.

Two prizes, the first of \$50, the second of \$25, are offered by Professor Whiting to the two students of the graduating class to be designated by him who make the best records in the practical and theoretical work in Otology.

IV. For efficiency in Obstetrics.

Two prizes, the first of \$75, the second of \$25, have been endowed by an anonymous donor in recognition of the work of Dr. Gustav Seeligman in Obstetrics, to be given to the two students in the graduating class who have made the best records in the practical and theoretical work in Obstetrics.

Scholarship.

- I. The John Metcalf Polk Scholarship, a gift under the will of William Mecklenberg Polk, former Dean, to be expended as a Scholarship in the Medical College. The income amounts to two hundred and fifty dollars (\$250) annually.

Hospital Appointments.—Members of the graduating class of Cornell University Medical College are nominated for appointment to the staff of internes

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in the Cornell division of Bellevue and the New York and in the Memorial Hospitals in accordance with the following general plan:

1. The list of available positions having been posted, members of the graduating class make application for such services as they desire, naming not less than two choices, and agreeing to accept the position if offered.

2. A committee of the faculty determine the appointments from the list of candidates, basing the determination upon—

- a. The student's standing during his first three years in Medical College:

- b. The quality of his work in the hospital ward:

- c. Personality and general fitness for the position desired.

The nominations thus made are subject to confirmation by the faculty of the Medical College and by the hospital. The faculty expressly reserve the right to alter the method of appointment in any or all particulars, at any time, and without notice.

The students and graduates of the Cornell University Medical College are also expected to compete for positions on the resident staff of the other hospitals of the city.

Some of these hospitals are: The City, Harlem, Gouverneur, Roosevelt, Fordham, St. Luke's, St. Vincent's, St. Francis', Mount Sinai, Lenox Hill, Lebanon, Lincoln, New York Eye and Ear Infirmary, and the many hospitals in Brooklyn, Jersey City, Newark, Paterson, etc.

The requirements, the times of examination, and the period of service differ. The details can be learned by application, written or in person, to the superintendents or to the secretaries of the medical boards of the various hospitals.

A record of the hospital appointments received by the graduating class is shown in the list of Graduates at the end of the Announcement.

The Alpha Omega Alpha, an honorary medical society, has maintained a chapter in this College since 1910. The members are elected by the membership of the society on nomination from the College Office. Nominations include only those who have for three years made a scholarship average of not less than 85 per cent. Not more than one-sixth of each class is eligible for election. The membership from the Class of 1925 is as follows:

Roswell Brown	Edward L. Keyes
John S. Carman	Norman Moore
Julius Chasnoff	Irvine H. Page
Frank Falconer	Janet Travell

The Vesalian Society is a students' organization which arose from a series of Anatomical Journal Clubs started about 1910. The Anatomical Journal Club has been confined to the first year class and the Vesalian Society became the means of continuing the consideration of scientific literature by a group of interested students in the upper classes. The Society now maintains a Journal Club in each College class, with admittance to membership on the basis of effective scholarship. In addition to the class meetings there are meetings open to the public which are addressed by undergraduates and by invited guests. The purpose of the Society is to stimulate an active interest in the broader aspects of the medical sciences, to promote a fraternal spirit in and between the College classes, and to promote co-operation between undergraduates and alumni.

EXAMINATIONS AND ADVANCEMENT IN COURSE

COURSES FOR GRADUATES.

For some years special courses have been offered in several of the departments, and they have been, from time to time, pursued by graduates in medicine, teachers and advanced students and research workers in the medical sciences. For the benefit of such applicants these courses have been compiled, and are listed below under the several departments by which they are offered. For a list of the teaching staff the reader is referred to the detailed statement of the several departments contained in pages 33 to 65 of this announcement.

The courses offered below with the exceptions indicated are minor courses continuing six to eight weeks. Several departments are equipped to offer co-ordinated work extending over longer periods, and such courses can be arranged for the student by consultation with the head of the department.

In general it is recommended that students applying for admission to graduate courses so far as possible arrange to take consecutive work for a period of at least one College session. Such courses will be under the immediate supervision of an instructor from the department in which the greater portion of the student's work is performed.

The faculty reserve the right to limit the number of applicants received and to alter or withdraw courses at any time without notice.

ADMISSION.

Graduates in Medicine, Arts or Science, from approved colleges, who desire to pursue courses not leading to a degree, are admitted to registration as graduate students, after approval by the head of the department. Such courses do not count in any way as a part of the four years' course required of candidates for the degree of doctor in medicine. All students or other workers pursuing courses indicated below are required to register at the office of the Secretary.

FEES.

Graduate students are admitted to any of the courses of instruction offered on the payment of a registration fee of ten dollars, an administration fee of five dollars and the tuition fee assigned to the course (see below). Those who have been previously registered as students in the Cornell University Medical College are not required to pay the registration fee.

In the courses outlined below, those marked with an * may be begun at any time during the session.

ANATOMY.

1. Embryology.—Terms I and II. September to March. Fee \$50. Details on page 33.

2.* Histological Technic.—Laboratory at least three hours daily and conferences with instructors. Fee \$30.

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3 and 4. General Histology, Microscopical Anatomy.—Terms I and II. September to March. Details on page 33. Fee \$50.

5.* Dissection.—See Courses I-V, page 34. Fee \$30 per term (ten weeks); or for the entire dissection, \$50.

6.* Neuro-Anatomy.—Term III. March to May. Details on page 34. Fee \$30.

7.* Anatomical Research.—Subject to special arrangement with head of department.

PHYSIOLOGY.

1. Physiology.—Begins with Term III in March and continues in Term I of the following session. Details on page 36. Fee \$50.

2.* Physiological Research.—Subject to special arrangement with head of department.

CHEMISTRY.

1.* Physical Chemistry as applied to Medicine.—Eleven weeks, two lectures, one laboratory period. Fee \$25.

2.* Physiological Chemistry.—Two terms, of ten and eleven weeks each. Two lectures and two laboratory periods each week. Fee \$25 per term.

3.* Chemical Pathology.—A practical course in methods of blood analysis. Two three hour periods a week for one month. Fee \$25.

4.* Research Work in Physiological Chemistry, Chemical Pathology, or Toxicology.—Hours and fee to be arranged with each student.

Note.—Courses in this department are subject to special arrangement with head of department. Special students in this department must present satisfactory evidence of preliminary training in inorganic chemistry with laboratory work as outlined on page 26.

PHARMACOLOGY.

1.* Laboratory Pharmacology, under supervision and including conferences with instructor. Fee \$25.

2.* Research Work in Pharmacology.

MEDICINE.

1. Applied Immunology. (See Bacteriology.)

2. Advanced Course in Metabolism Methods. (See page 66).

CLINICAL PATHOLOGY.

1. Laboratory Diagnosis.—Elementary and advanced instruction is offered in all the tests commonly performed in a clinical laboratory. The time the course is given and the fee are to be arranged with Professor Thro.

2. Wassermann and gonococcus complement fixation.

Professor Thro. Fee \$50.

COURSES FOR GRADUATES

SURGERY.

1. **Clinical Clerkship.**—Bellevue Hospital Second Surgical Division. Graduates in Medicine may avail themselves of a course or courses as outlined under Clinical Clerkships on page 51. One month, full time. Fee \$100.

PATHOLOGY.

1.* **Gynecological Pathology.** Dr. L'Esperance. Six hours or more weekly for about one month. Class is limited to ten students. Fee \$50.

2* Special courses in tumor diagnosis are open to graduate students in the College Laboratory and in the Memorial Hospital at times to meet the convenience of applicants. Fee to be arranged with instructor.

3* **Neuro-pathology.** Dr. Stevenson. Hours to be arranged. Class limited to five students. Fee \$50.

BACTERIOLOGY

1. **Applied Immunology.** Drs. Coca and Cooke. Clinical work at the New York Hospital with the collaboration of the Department of Medicine. Laboratory Course at the New York Hospital: the entire month of June, five mornings and four afternoons a week. Fee \$205.

The laboratory course includes: the demonstration of the principal phenomena of anaphylaxis in the guinea pig and the rabbit, with a discussion of the relation of anaphylaxis to human hypersensitiveness; the methods of preparing and standardizing the fluid extracts and solutions used in the diagnosis and treatment of asthma and hay fever; and the methods of collecting and preserving pollens that are the excitants of seasonal hay fever and asthma.

Any of the clinical applications of immunological principles (such as blood matching, the Schick and Dick tests, the forensic identification of human blood) will be demonstrated on request. Graduate students have access to the laboratory at any time during the day.

The clinical course consists of demonstrations in the Dispensary of the New York Hospital, at the asthma and hay fever clinic, four afternoons weekly. Each individual has ample opportunity to become thoroughly acquainted with the methods of diagnosis and treatment of these and allied conditions.

Applications for this course should be made before May 1st.

NEUROLOGY.

1. **Neuro-anatomy and Neuro-pathology.**—See Departments of Anatomy and Pathology. The student must present satisfactory evidence of an adequate knowledge of general histology. Fee \$25 in each department.

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3.* **Clinical Neurology.**—Includes study of ambulatory and ward cases, with medical and electrical therapeutics. Two hours daily for two months. Should be preceded by Courses 1 or its equivalent. Fee \$50.

4.* **Psycho-therapeutics.**—Twice weekly for eight weeks. Should be preceded or taken in conjunction with Course 3. Fee \$25.

DERMATOLOGY.

1.* **Clinical Dermatology.**—Ambulatory cases. Thrice weekly for four weeks. 2-3 P.M. Fee \$50.

2.* **Histopathology of the skin and its diseases.** Twice weekly for six weeks. Class of two to five students. Fee \$100.

LARYNGOLOGY AND RHINOLOGY.

1.* **Clinical Laryngology.**—Course of 15 lessons on diagnosis and therapeutics, including operative procedures and clinics on tonsillectomy and bronchoscopy at option of student. 2 to 4 P.M., Nov. 30 to Dec. 18, 1925, or June 7 to 25, 1926. Six students. Fee \$25.00.

OPHTHALMOLOGY.

1.* **Ophthalmoscopy.** 20 hours. Fee \$25.

2.* **External Diseases of the Eye.** 20 hours. Fee \$25.

3.* **Diseases of the Eye Muscles.** 15 hours. Fee \$20.

4.* **Refraction and Retinoscopy.** 20 hours. Fee \$25.

5.* **Simulation of Amblyopia and Amaurosis.** 5 hours. Fee \$20.

6.* **Clinical Ophthalmology.** Daily 2-3 P.M. Fee per month, \$25.

7.* **Ophthalmic Operation on the Cadaver.** (This course is given in co-operation with the Department of Anatomy). 20 hours. Fee \$50.

8.* **Pathological Histology of the Eye.**—(This course is given in co-operation with the Department of Pathology and must be applied for in advance.) 20 hours. Fee \$50.

9.* **Bacteriology of the Eye.**—(This course is given in co-operation with the Department of Pathology, and must be applied for in advance.) 15 hours. Fee \$20.

10.* **Slit-lamp Microscopy.** 20 hours. Fee \$50.

COURSES FOR GRADUATES

THE GRADUATE SCHOOL.

The Faculty of the Graduate School has control of graduate work in all departments of Cornell University and exclusive jurisdiction over the granting of all advanced degrees. Certain professors in the scientific departments of the Medical College in New York City offer graduate instruction as an integral part of the Graduate School of Cornell University. Properly qualified students may accordingly enter upon graduate work in New York City under the jurisdiction of professors in these departments and may become candidates for advanced degrees under the same conditions as apply to students in other divisions of the Graduate School. In all cases, such students are required to register each term at the Office of the Dean of the Graduate School, Cornell University, Ithaca, N. Y. A copy of the Announcement of the Graduate School, giving the rules and regulations pertaining to advanced degrees and the list of departments and subjects in which graduate instruction is offered, will be sent on application to the Dean.

Graduates of the following colleges of the University, namely, the College of Arts and Sciences, the Medical College, the College of Architecture, the College of Engineering, and the New York State Colleges of Agriculture and Veterinary Medicine,—or of other institutions in which the requirements for the first degree are substantially equivalent,—are eligible for admission to the Graduate School. In other cases, studies pursued after graduation, and experience gained by professional work or otherwise are taken into consideration in deciding whether the candidate's preparation as a whole is such as to justify his admission to the Graduate School.

Graduate students resident in New York City and working under the direction of members of the Faculty connected with the Cornell Medical College are students in the Graduate School of Cornell University, and as candidates for an advanced degree are subject to all the regulations laid down by the Faculty of the Graduate School. The members of the Medical College who give instruction to graduate students constitute Group F of the Faculty of the Graduate School, and the Chairman of this Group, Professor C. R. Stockard, is a member of the General Committee of this Faculty. Graduate students in New York City are advised to acquaint themselves with the rules and regulations of the Graduate School as set down in the Announcement, and to correspond directly with the Office of the Dean of the Graduate School in Ithaca. Professor Stockard, as Chairman of Group F, will be willing to advise with graduate students in New York in regard to the details of their graduate work and plans for candidacy. Copies of the Announcement and various official forms used by the Graduate School may also be obtained from Professor Stockard.

CORNELL UNIVERSITY MEDICAL COLLEGE

SCHEDULE OF REQUIRED COURSES AND
ALLOTTED HOURS

COURSE	HOURS			
	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Fourth Year</i>
ANATOMY				
Histology and Embryology.....	258	...	...	...
Gross Anatomy	350	...	...	...
Neuro-Anatomy	88	...	...	...
Typographical Anatomy	36	...	...	...
PHYSIOLOGY	165	153	...	...
CHEMISTRY	239	...	...	...
PHARMACOLOGY .....	...	66	44	...
PATHOLOGY .....	...	195	48	...
Pathological Anatomy .....	...	66	10	...
BACTERIOLOGY .....	...	210	...	...
MEDICINE .....	...	141	80	312
Therapeutics .....	...	...	11	...
Cinical Pathology .....	...	...	96	...
SURGERY .....	...	111	167	312
OBSTETRICS .....	...	...	63	98
GYNECOLOGY .....	...	...	10	102
PEDIATRICS .....	...	...	92	108
NEUROLOGY .....	...	...	21	36
PSYCHIATRY .....	...	...	65	...
UROLOGY .....	...	21	20	...
DERMATOLOGY .....	...	21	22	...
LARYNGOLOGY & RHINOLOGY.....	...	10	32	...
OPHTHALMOLOGY .....	...	31	...	...
OTOLOGY .....	...	...	15	...
ORTHOPEDIC SURGERY .....	...	...	22	36
ROENTGENOLOGY .....	...	10	31	...
HYGIENE .....	...	...	150	...
MILITARY SCIENCE	30	...	...	...
ELECTIVES .....	...	...	...	240
TOTALS	1130	1071	999	1244

GRAND TOTAL—4444 Hours

FACULTY OF MEDICINE AT ITHACA.

- LIVINGSTON FARRAND, A.M., M.D., LL.D.,
President.
- ABRAM TUCKER KERR, B.S., M.D.,
*Secretary of the Medical College at Ithaca,
Professor of Anatomy.*
- SIMON HENRY GAGE, B.S.,
Professor of Histology and Embryology, Emeritus.
- BENJAMIN FREEMAN KINGSBURY, PH.D., M.D.,
Professor of Histology and Embryology.
- SUTHERLAND SIMPSON, D.Sc., M.D., F.R.S. (Edin.),
Professor of Physiology.
- JAMES BATCHELLOR SUMNER, A.M., PH.D.,
Assistant Professor of Biochemistry.
- JAMES WENCELAS PAPEZ, A.B., M.D.,
Assistant Professor of Anatomy and Neurology.
- AARON BODANSKY, B.S., PH.D.,
Instructor in Biochemistry.
- HOWARD BERNHARDT ADELMANN, A.M., PH.D.,
Assistant Professor of Histology and Embryology.
- VIOLA A. GRAHAM, A.M., PH.D.,
Instructor in Biochemistry.
- JOSEPH ALMA DYE, A.B., PH.D.,
Instructor in Physiology.
- LAWRENCE ONIS MORGAN, A.M.,
Instructor in Anatomy.
- WILLIAM M. ROGERS, B.S.,
Instructor in Histology and Embryology.
- GEORGE H. MAUGHAN, A.M.,
Instructor in Physiology.
- JULIA E. ROTHERMEL, A.M.,
Assistant in Histology and Embryology.
- GRANT GUILLEMONT, A.B.,
Assistant in Anatomy.
- EARL O. BUTCHER, A.B.,
Assistant in Histology and Embryology.
- EDNA G. DYER, A.B., PH.D.,
Assistant in Anatomy.
- ALLEN D. KELLER, B.S.,
Assistant in Physiology.
- ETHEL D. SIMPSON, A.M.,
Assistant in Physiology.
- FISK W. S. SCUDDER, A.B.,
Assistant in Histology and Embryology.
- MABEL A. MYERS, A.M.,
Assistant in Histology and Embryology.

CORNELL UNIVERSITY MEDICAL COLLEGE

INSTRUCTION AT ITHACA.

DURING THE FIRST YEAR OF THE COURSE.

CALENDAR FOR ITHACA.

First Term, 1926-1927.

- September 22. Wednesday—Academic year begins; matriculation of new students; University scholarship examinations begin.
September 23. Thursday—Matriculation of new students.
September 24. Friday—Registration of matriculated students.
September 27. Monday—Instruction begins in all departments of the University at Ithaca.
December 22. Saturday—Instruction ends at 1 P.M.
January 5. Monday—Instruction resumed at 1 P.M.
January 11. Monday—Founder's Day.
February 2. Wednesday—First term closes.

Second Term.

- February 4&5. Friday and Saturday—Registration for the second term.
February 7. Monday—Instruction begins at 8 A.M.
April 2. Saturday—Instruction ends at 1 P.M. (Spring recess).
April 11. Monday—Instruction resumed at 8 A.M.
June 13. Monday—Commencement.

General Statement.

From its very foundation Cornell University has offered special courses for students preparing for the study of Medicine; first in the Natural History course, and later also in a special two-year Medical Preparatory course. In 1898 the Medical College was established in New York City with a four years' course. At the same time the work of the first two years was duplicated at the University in Ithaca, since many of the fundamental scientific subjects of which this part of the course mainly consists were already provided for in the long-established departments of Botany, Zoology, Comparative Anatomy, Physics, Chemistry, Physiology, Histology, Embryology, and Bacteriology. The courses in these departments were modified where necessary and additional courses were added so as to make the work at Ithaca equivalent to the first two years in New York City. In 1908, the work of the second year was discontinued at Ithaca.

Other Colleges of the University.—Among the facilities of the University of special value to the Medical College may be mentioned the museums of Vertebrate and Invertebrate Zoology (including Entomology and Comparative Anatomy), of Agriculture, of Botany, of Geology, and of Veterinary Medicine. The University Library, with its 750,352 volumes and pamphlets, and over 2,000 current periodicals and transactions, is as freely open to medical students as to other University students.

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Stimson Hall. This is a modern and thoroughly equipped laboratory building erected for the Medical College at Ithaca in 1902. It was made possible through the generosity of the late Dean Sage of Albany and named at his desire Stimson Hall in recognition of the services rendered by Dr. Lewis A. Stimson toward the establishment of the Medical College. The building was especially designed for teaching and research in anatomy, histology, embryology, and physiology. The building is constructed of Ohio sandstone. The general form is that of an E, 157 feet long and 50 feet wide with wings 40 feet square.

In the cellar are the cold-storage, embalming, cremating rooms and store-rooms. In the sub-basement at the west end is a large room for the string galvanometer and the accessory dark rooms.

In the basement are the ventilating and cold-storage machinery, a large lecture room, a research room, and an advanced laboratory for histology, besides the lower part of the large amphitheatre. Here also is located the operating room for the department of physiology.

On the first floor are located the coat rooms for men and women, college office, library, reading room, faculty room, and histology and embryology research laboratory, general laboratory for experimental physiology, demonstration, metabolism and dark room for physiology, and the upper part of the large amphitheatre.

On the second floor is the department of histology and embryology with a large general laboratory, a research laboratory, preparation rooms, and private laboratories for the instructors. Upon this floor also is located the department of Physiology with a large general laboratory for biochemistry, a research laboratory for biochemistry, a research laboratory for experimental physiology, an incubator room, repair shop and private laboratories for the instructors.

The third floor consists of the general and special dissecting rooms for gross anatomy and neurology, study rooms, and amphitheatre, besides rooms for the instructors.

The attic is utilized for photography, macerating the skeletons, and for storage.

The air in the building is constantly changed by forced ventilation. The lighting is especially good in all the rooms.

In the court behind the building is a house for alcohol and inflammables and provision for experimental animals, including a small animal house. A large animal house is located at some distance from the medical building on the Physiology Field Station.

The VanCleaf Memorial Library. Located in Stimson Hall, this library, endowed by Mr. Mynderse VanCleaf in honor of his brother, Dr. Charles VanCleaf, supplements the extensive facilities of the University Library by a steadily growing collection of reference works and periodicals of importance for the work of instruction and research conducted in Stimson Hall. The library room is lighted by indirect overhead light, and the reading desks are provided with day-lite lamp fixtures.

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Experimental Field Station. A recent and important adjunct to the Department of Physiology is an Experimental Field Station which consists of nine acres situated in the open country about two miles from the Medical College. In this fenced field a barn for the accommodation of large animals such as sheep and goats, and proper houses with runs for small animals have been provided. In such a station animals under observation in feeding and nutrition experiments, for example, may be kept under ideal conditions for long periods of time. Communication between the station and the laboratory is maintained by a motor truck belonging to the department.

The Sarah Manning Sage Research Fund. As a recognition of the importance of the research side of university work, and as a timely and generous gift, there came in 1916 a bequest of \$50,000 by the will of Sarah Manning Sage, widow of Dean Sage, the donor of Stimson Hall. The income of this sum, or in the discretion of the University the principal also, shall be used to promote the advancement of medical science by the prosecution of research in the Cornell University Medical College at Ithaca, in connection with any and all subjects at any time embraced in the curriculum.

ITHACA DIVISION

DEPARTMENTS, METHODS AND FACILITIES.

ANATOMY.

ABRAM T. KERR, B.S., M.D., *Professor.*

JAMES W. PAPEZ, A.B., M.D., *Assistant Professor of Anatomy and Neurology.*

LAWRENCE O. MORGAN, M.A., *Instructor.*

GRANT GUILLEMONT, A.B., *Assistant.*

EDNA G. DYER, A.B., Ph.D., *Assistant.*

The courses in anatomy are designed to provide a comprehensive and detailed study of the structure of the human body.

The work in gross anatomy is mostly concentrated in the first term of the first year. The laboratory is open from eight to five on week days, except Saturday. Twenty-eight hours a week are allowed for the required work in the first term and four hours a week in the second term. Students who have additional hours free may devote more time to the subject. The work consists mainly of dissection followed by recitation on the part dissected. For this work there is an ample supply of dissecting material well embalmed and kept in cold storage ready for use. Each student is required to do a clean and careful dissection of a lateral half of the body. The regional method of dissection is followed. The student is furnished a systematic laboratory outline so arranged where possible that the structures in each region can be studied together as a topographic, functional or surgical area. It is realized that no one method or point of view is sufficient or applicable to every region. The purpose throughout is to make the student find and identify every structure, to appreciate its functional significance, its relations and its peculiar characteristics, to assemble details into general concepts, to visualize and interpret every region and organ. The aim is to direct the student to work methodically, to observe carefully and to think clearly and independently. He is encouraged to make careful notes and as many drawings as time permits. Where feasible, he is taught to compare his findings on the cadaver with conditions in the living body. An X-ray outfit in the department makes it possible in many regions to compare the X-ray picture from the cadaver with the findings in the dissection. A complete disarticulated skeleton is loaned to each student so that the bones may be available for study when encountered in course of dissection. In addition the department is well equipped with models, cross sections, and special dissections for study and demonstration. For study of the finer structure of the organs, hand lenses and several binocular dissecting microscopes are provided in the laboratory. A student library containing atlases and some of the more important anatomical monographs is in connection with the laboratory. Besides the usual regional recitation on the dissected part, demonstration conferences are held about three times a week with the class as a whole or with smaller groups. Occasional lectures are given on matters that cannot be made clear by dissection and demonstrations.

The work in the anatomy of the nervous system and sense organs is given during the second term. It consists mainly of laboratory work with frequent conferences and recitations. A topographic study and dissection of the organ or part precedes or accompanies its microscopic study. Special attention is

CORNELL UNIVERSITY MEDICAL COLLEGE

given to the sense organs, nerves, nuclei, reflex connections, conduction tracts and cortical areas that enter into the formation of the more important functional systems. In connection with each organ or part, its development and comparative morphology is considered. For this work an ample supply of human brains, brains of lower mammals, Weigert sections, and other preparations are available.

The department is well equipped to provide facilities for those properly qualified to undertake advanced and research work. Students with special ability or training are permitted to do more than the required work. Where time permits they are encouraged to do advanced or research work.

1. **Anatomy of the Head and Neck.**—First term. Credit, 4 hours, 25 actual hours a week for 6 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

2. **Anatomy of the Thoracic Walls and Viscera.**—First term. Credit, 1 hour, 25 actual hours a week for 2 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

3. **Anatomy of the Abdominal and Pelvic Walls and Viscera.**—First term. Credit, 4 hours, 25 actual hours a week for 6 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

5. **The Nervous System, Anatomy, Histology, and Development.**—Second term, credit, 3 hours, Assistant Professor Papez and Instructors. Nine hours a week laboratory with laboratory demonstrations, conferences and recitations. Dissection of the spinal cord and brain. Microscopic structure and development of the nervous system and organs of special sense.

6. **Anatomy of the Living Body.**—First term. Credit, 2 hours, 3 actual hours a week. Professor Kerr. Interpretation of dissecting room material by means of the living body, frozen sections, and special preparations. A review of the work of courses, 1, 2, and 3.

7. **Anatomy of the Upper Extremity.**—First term. Credit, 2 hours, 25 hours a week for 2 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

8. **Anatomy of the Lower Extremity.**—Second term. Credit, 2 hours, 4 hours a week for 16 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

9. **Topographical Anatomy.**—First and second terms. Credit, 2 to 5 hours. Elective. Prerequisite, anatomy courses 1, 2, 3, 7, or 8. The detailed dissection and study of any region. Professor Kerr.

12. **Research in Anatomy.**—First and second terms. Professors Kerr and Papez. Advanced and research work in the laboratories. Open only to those who have taken the necessary preliminary courses, and are properly qualified.

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HISTOLOGY AND EMBRYOLOGY.

BENJAMIN F. KINGSBURY, PH.D., M.D., *Professor.*
HOWARD B. ADELMANN, A.M., PH.D., *Assistant Professor.*
WILLIAM M. ROGERS, B.S., *Instructor.*
JULIA E. ROTHMEL, A.M., *Assistant.*
EARL O. BUTCHER, A.B., *Assistant.*
FISK W. A. SCUDDER, A.B., *Assistant.*
MABEL A. MYERS, A.M., *Assistant.*

As indicated by the following courses, this department offers elementary and advanced instruction in the theory and use of the microscope and its accessories, in histology, and embryology; and opportunities for research in all of these subjects.

The material equipment consists of a good supply of modern microscopes, while camera-lucidas, polariscopes, micro-spectroscopes, photo-micrographic cameras, microtomes and other special apparatus such as dark-field illuminators are in sufficient numbers to give each student opportunity for personally learning to use them, and for applying them to any special study in which they are called for. Two projection microscopes are available for class demonstrations and for making the drawings used in reconstruction.

The rooms for the use of the department are on the second floor of Stimson Hall. They are almost perfectly lighted and consist of a large general laboratory, an advanced laboratory, a preparation room, department office, and five private laboratories for the instructing staff, where also special demonstrations of difficult subjects are given to small groups of students.

The collection of material and microscopic series of human embryology, contributed mainly by graduates of the college, is steadily growing. Every encouragement is given for the fullest utilization of the opportunities afforded by the department.

The work of the department consists of practical laboratory work, supplemented by lectures, conferences, and demonstrations. The work required of students of medicine is given in course 10. For those who have already had elsewhere satisfactory work in histology, elective work may be taken in Courses 3, 7, and 8. Courses open to students in the College of Arts and Sciences and Veterinary Medicine are described in the announcements of these colleges.

COURSES REQUIRED OF STUDENTS OF MEDICINE.

10. Histology.—First term. Credit, 8 hours. Professor Kingsbury and assistant. Required of first-year students of medicine. Four laboratory periods and four lectures each week. The work includes (a) The fundamentals of human development; (b) The histology of the tissues and organs (except the nervous system); (c) The main facts of histogenesis and the development of the organs (except the nervous system). It is highly advantageous that the course be preceded by a course in embryology (see Courses of Instruction of the College of Arts and Sciences, Course 4).

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ADVANCED AND ELECTIVE COURSES.

107. *Advanced Work in Histology and Embryology.*—First and second terms. Professor Kingsbury and Assistant Professor Adelmann. Laboratory work, eight or more actual hours a week, with Seminary (Course 108).

This course is designed for those preparing theses for baccalaureate or advanced degrees, and for those wishing to undertake special investigations in histology and embryology.

Course 107 is open to those who have had Course 10, or its equivalent. A good reading knowledge of French and German is indispensable for the most successful work in this course. It is suggested that those who intend to take this course confer with the head of the Department as early as possible, so that the work may be planned to the best advantage.

108. *Seminary.*—First and second terms. One hour each week at an hour to be arranged.

For the discussion of current literature and the presentation of original work by the members of the Department staff and those doing advanced work in the department. It may be taken in connection with Course 107.

DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY.

SUTHERLAND SIMPSON, M.D., D.Sc., F.R.S., (Edin.), *Professor of Physiology.*

JAMES B. SUMNER, A.M., Ph.D., *Assistant Professor of Biochemistry.*

J. A. DYE, A.B., Ph.D., *Instructor in Physiology.*

A. BODANSKY, B.S., Ph.D., *Instructor in Biochemistry.*

GEORGE H. MAUGHAN, A.M., *Instructor in Physiology.*

V. GRAHAM, A.M., Ph.D., *Instructor in Biochemistry.*

ALLEN D. KELLER, B.S., *Assistant in Physiology.*

ETHEL D. SIMPSON, A.M., *Assistant in Physiology.*

Physiology.

This subject is taught in the second term of the first year of the medical curriculum. It is the aim of the department to give the students a thorough training in the fundamentals of the science of physiology, which was formerly known as the Institutes of Medicine, and an effort is made to strike the proper balance between the study of theoretical principles in the lecture room and the practical application of these in the laboratory.

The work in physiology is given in the second term. Nine hours a week are devoted to practical exercises, special attention being given to experimental methods which are likely to be of importance in the study of clinical medicine.

In the laboratory, from year to year, less and less time is taken up with frog physiology and more and more time devoted to a practical study of mammalian functions. This is made possible by the fact that the department now possesses six large Brodie kymographs of the most recent pattern for the exclusive use of medical students.

The following courses are offered:

1. *Physiology of Muscle and Nerve; reflex, central and autonomic nervous systems; special senses; digestion, absorption and endocrine organs.*—Credit 4 hours. Professor Simpson, Instructor Dye and assistants. Four lectures or

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conferences weekly throughout the term. Written and oral examinations will be held at intervals.

4. **Experimental Physiology.**—Credit 4 hours. Professor Simpson, Instructor Dye and assistants. Two laboratory periods of six and three hours each week. The fundamental experiments of the science dealt with in the systematic lectures will be carried out practically by the students themselves under the direction of the professor and instructors. Demonstrations, oral and practical examinations will be given from time to time.

308. **Advanced Work and Research.**—The laboratory is open daily from 8 A.M. till 6 P.M. for advanced work and original investigation under the direction of the professor and assistants.

Biochemistry.

In this section the student is taught the chemistry of the tissues, fluids, secretions, and excretions of the human body; the compositions of food-stuffs, and the phenomena of their digestion, absorption, and assimilation; the rôle of enzymes in the animal economy; the principles of nutrition; and the leading facts of general and special metabolism. Groups of organic compounds of especial biological importance will be discussed emphasizing particularly the carbohydrates, purins, amino acids, and fats. The fundamental properties of electrolytes and colloids and the phenomena of osmosis and dialysis will be considered in lecture room and laboratory. Instruction is given in the use of analytical methods for the examination of biological products, both normal and pathological. Those methods are principally considered which have found an application in scientific medicine, and special attention is devoted to the quantitative analysis of the gastric contents, blood, and urine. Each student completes the course by performing a metabolism experiment upon himself.

The bulk of the instruction is given in the laboratory. As occasion arises, the student's individual work there is supplemented by experimental demonstrations; while by means of lectures and recitations it is sought to co-ordinate the whole, and to expound the theoretical aspects of the subject.

The following courses are offered:

15. **General Biochemistry.**—Second term. Credit, 9 hours. Five lectures or recitations and four three-hour laboratory periods weekly; supplemented by demonstrations, conferences and written reviews. Assistant Professor Sumner and Drs. Bodansky and Graham. Required of first year students of medicine.

17. **Special Chapters in Biochemistry.**—First term. Credit, 1 hour. Assistant Professor Sumner. One lecture weekly on some selected province of biological chemistry. Hour to be arranged. This is an elective course for advanced students or graduates.

320. **Advanced and Research Work in Biochemistry.**—First and second terms. Assistant Professor Sumner. The laboratory is open daily to all qualified persons for advanced instruction or the prosecution of research. Courses are arranged to suit the training and requirements of the individual student.

CORNELL UNIVERSITY MEDICAL COLLEGE

SCHEDULE AND SUMMARIZED STATEMENT.

In this schedule the counts or University hours are given on the following basis: One recitation or lecture weekly for one term or half year gives a credit of one; for laboratory work it requires two and one-half actual hours weekly for a term or half year to secure a credit of one.

SCHEDULE OF REQUIRED COURSES.

First Term.

	No. of Course	University Hours	Actual Hours Weekly
Anatomy	1 to 3, 7	11	25
Anatomy	6	2	3
Histology	10	8	16
		—	—
		21	44

Second Term.

Anatomy	8	2	4
Physiology	1, 5	4	4
Physiology	4	4	9
Nervous System	5	3	9
Biochemistry	15	9	17
		—	—
		22	43

SUMMARY OF REQUIRED COURSES.

1. **Anatomy of the Head and Neck.**—Credit, 4 hours, 25 actual hours a week for 6 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

2. **Anatomy of the Thoracic Walls and Viscera.**—Credit, 1 hour, 25 actual hours a week for 2 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

3. **Anatomy of the Abdominal and Pelvic Walls and Viscera.**—Credit, 4 hours, 25 actual hours a week for 6 weeks. Professors Kerr and Papez, Instructor Bateman and assistants. Laboratory work, dissection, and conferences.

6. **Anatomy of the Living Body.** Credit, 2 hours, 3 actual hours a week. Professor Kerr.

7. **Anatomy of the Upper Extremity.** Credit, 2 hours, 25 hours a week for 2 or more weeks. Professors Kerr and Papez and assistants.

10. **Histology.**—Credit, 8 hours. Professor Kingsbury and assistant. Four laboratory periods and four lectures each week.

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Second Term.

1. **Physiology of Cell, Muscle, Nerve, Heart and Circulation, and Respiration.**—Credit, 4 hours. Professor Simpson, Instructor Dye and assistants. Four lectures or recitations weekly throughout the term with demonstrations and examinations.

4. **Experimental Physiology.**—Credit, 4 hours. Professor Simpson, Instructor Dye, and assistant. Two laboratory periods of three and six hours a week. This course will be supplemented by demonstrations whenever necessary.

15. **General Biochemistry.**—Credit, 9 hours. Five lectures or recitations and four three-hour laboratory periods weekly, supplemented by demonstrations, conferences, and written reviews. Assistant Professor Sumner, Drs. Bodansky and Graham.

5. **The Nervous System Anatomy, Histology, and Development.**—Credit, 3 hours. Assistant Professor Papez and Instructors. Nine actual hours a week. Dissection of the spinal cord and brain. Microscopic structure of the nervous system and organs of special sense.

8. **Anatomy of the Lower Extremity.**—Credit, 2 hours, 4 actual hours a week. Professors Kerr and Papez and assistants.

REQUIREMENTS FOR ADMISSION.

The requirements for admission are identical with those of the Medical College at New York City (see page 26.)

CORNELL UNIVERSITY MEDICAL COLLEGE

GRADUATE WORK AT ITHACA.

ADMISSION.

The Graduate School has exclusive control of all graduate work carried on in the University. Graduates of the following colleges of Cornell University, namely, the College of Arts and Sciences, the College of Architecture, the College of Engineering, the Medical College, the New York State College of Agriculture, and the New York State Veterinary College, and also graduates of other institutions in which the requirements for the first degree are substantially equivalent, are eligible for admission to the Graduate School. In other cases studies pursued after graduation, and experience gained by professional work or otherwise, are taken into consideration in deciding whether the candidate's preparation as a whole is such as to justify his admission to the Graduate School. Graduates of colleges other than those of Cornell University may be admitted to the Graduate School, but not to candidacy for an advanced degree, if their training is regarded as less than one year short of that required for the first degree at Cornell University.

In order to be admitted to the Graduate School, a student must furnish evidence that he has already received a first degree, by presenting either a diploma or a statement from some official source. The simplest procedure will ordinarily be to submit an official statement from the registrar or dean that the degree has been conferred. In the case of graduates of Cornell University this is not necessary, since the records are conveniently accessible.

To avoid delays at the beginning of the academic year, those who desire to enter the Graduate School are advised to make application for admission, either in person or by letter, in the preceding spring or summer. Correspondence should be addressed to the Dean of the Graduate School, Cornell University, Ithaca, New York.

For details in regard to the selection of major and minor subjects, special committees in charge of the work of each candidate for an advanced degree, fees, time required, thesis, and special conditions to be fulfilled by each candidate for an advanced degree, reference should be made to the announcement of the Graduate School.

FACILITIES.

The facilities of the Departments of Anatomy, Histology and Embryology, Physiology and Biochemistry, have been outlined under the description of each department. These are equally available for the use of the graduate students as for medical students.

FELLOWSHIPS AND GRADUATE SCHOLARSHIPS.

Among the twenty-four fellowships and eighteen scholarships offered annually to students in the Graduate School, the following are of particular interest to students continuing work in biological sciences:

ITHACA DIVISION

The Schuyler Fellowship in Animal Biology (annual value of \$400 and free tuition in the Graduate School).

The Graduate Scholarship in Animal Biology (annual value of \$200 and free tuition in the Graduate School).

THE COMBINED A.B. AND M.D. DEGREES.

The Medical College advises students to complete, whenever feasible, the full four year A.B. course before applying for admission to this college. It is possible, however, to be admitted to the Medical College under Section II of the entrance requirements. This is to provide for those students who, by specially directed or especially proficient work, accomplish the essential requirements for the Arts degree during three years of college residence. No students are admitted under this classification unless their college faculty will permit them to substitute the first year in the Cornell University Medical College for the fourth year of their college course, and no student is admitted to the second year in the Medical College without the bachelor's degree obtained after at least three years of undergraduate college work.

The first year in the medical course which may be taken in place of the fourth year of the arts work may be pursued either in Ithaca or New York City. If all the work of this year is completed satisfactorily the student receives the degree of A.B. or its equivalent, and is permitted to take the last three years of the medical work. These are taken entirely in the Cornell University Medical College in New York City.

For the convenience of college students preparing for medicine, a schedule of the courses in the College of Arts and Sciences of Cornell University, in Physics, Chemistry, and Biology, which will satisfy the requirements for admission to the Medical College, is given below. If a student is taking four years in an arts college these courses may be taken later in the course than indicated. It is important that the order given in the outline should, in the main, be followed, as certain of these courses are prerequisite for other prescribed courses. In addition to these courses required for admission to the Medical College, the student will take all courses in English; Foreign Language; Philosophy and Psychology; History; Economics and Government that are prescribed by the College of Arts and Sciences. It is advised that all these underclass requirements be completed before the beginning of the junior year.

CORNELL UNIVERSITY MEDICAL COLLEGE

Outline of the courses which the Medical College requires of its applicants for admission, and planned for the student who expects to finish his Arts courses in three years.

First year in Arts.

	Course No.	1st Term. Hours Credit.	2nd Term. Hours Credit.
Animal Biology (Introductory Zoology).....	1	3	3
Chemistry (Introductory Inorganic)	101		6

Second year in Arts.

Animal Biology (Comparative Anatomy and morphology of vertebrates).....	11	3	3
Chemistry (Introductory Qualitative Analysis)	210	3	
Chemistry (Introductory Quantitative Analysis)	225		3
Physics (Introductory Experimental).....	3&4	3	3

Third year in Arts.

Chemistry (Elementary Organic).....	375	6	
Animal Biology (Histology and Histogenesis of the tissues).....	101	4	
Animal Biology (Vertebrate Embryology)...	104		4
Physics (Introductory Physical Experiments)	55	3	

It is desirable that included in, or in addition to the modern Foreign language required for admission to the Medical College, students should obtain a reading knowledge of French and German.

Some of the additional courses suggested for election according to the needs or desires of each individual student are:

In the group of Animal Biology, Courses: 10—Cytology; 14—Genetics; 102—Histology and development of the organs; 105—Histology and Histological methods; 221—Structure of the Human Body; 222—Anatomical Methods; 303—Elementary Human Physiology; in Economics, in addition to the elementary course, courses 55a and b,—Elementary Social Science. Also courses in Psychology and additional courses in English and Public Speaking where these latter are needed.

RESIDENCE AND REGISTRATION

The college year is nine months long, extending from the last of September till about the middle of June, and is divided into two nearly equal terms. (For exact dates, see calendar on page 94).

No credit is given for work done in absentia. For leave of absence during the session, application should be made to the Secretary.

At the beginning of the term students must register with the University Registrar, in Morrill Hall. After registration with the University Registrar, they must register with the Secretary of the Medical College, in Stimson Hall.

EXAMINATIONS.

Students are advanced in course from one year to the next upon passing examinations upon the work of that year. The work of each year is considered final of itself. There is no unnecessary repetition of subjects taught

ITHACA DIVISION

from year to year. According to the usage of the other colleges, the University student found to be markedly deficient will be dropped from the College at the end of the term in which such deficiency is shown. In the case of a student so dropped, an application for re-admission will not be considered at all until after the expiration of one term.

ADVANCEMENT FROM FIRST TO SECOND YEAR.

Upon the completion of the year in Ithaca, a transcript of the record of each student, together with a statement that such student is recommended for admission to the second year class is transmitted by the Faculty at Ithaca to the Faculty of the Medical College in New York City. As a student is not advanced from one year to another in the New York division until all the work of the year is completed, a student from Ithaca cannot enter the second-year class in New York until the entire schedule of the first year has been successfully completed. For removing any conditions, examinations are held at the beginning of the fall term, both in Ithaca and in New York City. The student is at liberty to take these examinations in Ithaca or in New York City. The examination on a subject in either place is final for that year. That is, the student will not be permitted to try an examination on a subject in Ithaca, and take advantage of the later date for the examination in New York to have a second examination on the same subject in the same autumn.

CHARGES FOR INSTRUCTION.

FIRST YEAR.

Matriculation	\$10.00
Tuition	500.00
	<hr/>
	\$510.00

All tuition and other fees may be changed or increased by the Trustees to take effect at any time without previous notice.

To secure payment for breakage of instruments, apparatus, etc., each student is required to deposit with the treasurer \$10. This deposit, less the amount charged for breakage, will be returned at the end of the year.

Applications for Registration in the Medical College Should be Made by March 1, and a Deposit of \$50 is Required If Accepted.

Any prospective undergraduate student intending to register in the Medical College at Ithaca for the first term of the academic year must apply for registration not later than March 1 of that year. An application received after March 1 may be accepted if, in the judgment of the Faculty concerned there is adequate provision for the student's instruction. A deposit of \$50 is required as soon as the application is acted on favorably by the Committee. If a student completes his registration for the first term the deposit will be credited to his account. If a prospective student whose application and deposit have been accepted fails to complete his entrance requirements he is entitled to a refund of the deposit in excess of accrued charges. If an applicant fails

for any other reason to enter the University at the beginning of the term there may, in the discretion of the Comptroller and the Registrar, be refunded to him any balance above charges accrued. Such a refund will generally be made where the vacancy caused by the student's withdrawal is filled.

RESIDENTIAL HALLS.

The University has six residential halls for men students situated on the Campus and furnishing accommodations for about 480 men. For particulars address University Treasurer, Ithaca, N. Y. There are, also, many private boarding and rooming houses near the University Campus. In these the cost of board and furnished room, with heat and light, varies from \$10 to \$15 a week. By the formation of clubs, students are sometimes able to reduce their expenses for room and board. Cafeterias are maintained by the University in Cascadilla Hall and near the Baker Dormitories, and one by the College of Agriculture in the Home Economics Building, where meals may be obtained at reasonable prices.

Before engaging rooms, students should carefully examine sanitary conditions and should particularly insist on satisfactory and sufficient fire escapes. The University publishes and distributes a list of approved rooming houses. This list is ready for distribution August 15. New students are advised to come to Ithaca a few days in advance of the beginning of the University duties in order that they may have ample time to secure room and board before the opening of the academic year. The Freshman Advisory Committee offers its assistance to new students in the selection of rooming and boarding houses.

The residential halls for women students are Sage College and Prudence Risley Hall. In these buildings, which are exclusively for women students, the total cost of board, laundry and rent of furnished rooms, with heat and light is \$460 a year. The halls are heated by steam, and lighted by electricity. The Dean of Women has jurisdiction over all women students in the University, and women students are not permitted to board and lodge outside of the halls for women except in houses approved by the Dean, and subject to her direction. Prospective women students should write to the Dean of Women for information concerning any matters in which they may need assistance. Dormitory facilities for women are inadequate, and prospective students desiring such accommodations are urged to make early application. Inquiries in regard to board and rooms in the women's halls should be addressed to The Manager of Residential Halls, Sage College, Ithaca, N. Y.

CORNELL UNIVERSITY MEDICAL COLLEGE

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FIRST YEAR—SESSION 1926-1927—FIRST TERM

	8	9	10	11	12	2	3	4
Mon.	Anatomy	Histol.	Histology			Anatomy		
Tues.	Anatomy							
Wed.	Anatomy	Histol.	Histology			Anatomy		
Thurs.	Anatomy							
Fri.	Anatomy	Histol.	Histology			Anatomy		
Sat.		Histol.						

FIRST YEAR—SESSION 1926-1927—SECOND TERM

	8	9	10	11	12	2	3	4
Mon.	ANATOMY					Nervous System		
Tues.	Physiol.	Biochem.	Physiology			Physiology		
Wed.	Physiol.	Biochem.	Nervous System			Biochemistry		
Thurs.	Physiol.	Biochem.	Physiology			Nervous System		
Fri.	Physiol.	Biochem.	Biochemistry			Biochemistry		
Sat.		Biochem.	Biochemistry					

CORNELL UNIVERSITY MEDICAL COLLEGE

GRADUATES, 1925

Doctors of Medicine, June 11, 1925.

Andre, Rose Henri.....	Bellevue Hospital, 4th Div.
A.B., 1920, Cornell University	
Becker, Walter Joseph	Lenox Hill Hospital
A.B., 1922, Cornell University	
Bell, Edith Dorothy.....	Bellevue Hospital, 4th Div.
A.B., 1920, Wellesley College	
Berman, William	Montefiore Hospital
A.B., 1922, Cornell University	
Bigelow, Nelson Sylvester.....	Methodist Episcopal Hospital, Brooklyn
B.S., 1920, Wesleyan University	
Birnbaum, George	
B.S., 1921, College of the City of New York	
Blenkle, Victor August	Jersey City Hospital, Jersey City, N. J.
A.B., 1922, Cornell University	
Brittain, Knox	Rochester General Hospital, Rochester, N. Y.
A.B., 1922, Cornell University	
Brooks, Katharine	N. Y. Infirmiry for Women and Children
A.B., 1920, Vassar College	
Brooks, Sidney	St. Joseph's Hospital, Paterson, N. J.
A.B., 1918, New York University	
Burg, Harold	Cumberland Hospital, Brooklyn
B.S., 1921, College of the City of New York	
Carter, Rebecca Burr.....	Bellevue Hospital
A.B., 1921, Vassar College	
Christensen, Bryant Elliott.....	Bellevue Hospital
A.B., 1922, University of Colorado	
Crump, Enid	Bellevue Hospital
A.B., 1922, Cornell University	
Davis, David	Boston City Hospital, Boston, Mass.
B.S., 1922, Harvard College	
Denneen, Edward Victor.....	New York Post Graduate Hospital
A.B., 1921, Cornell University	
Douglas, William Courtney.....	Roosevelt Hospital
B.S., 1921, Wooster College	
Dunham, Theodore, Jr.....	
A.B., 1921, Harvard College	
Ebert, Reinhold Otto.....	Henry Ford Hospital, Detroit, Mich.
A.B., 1922, University of Wisconsin	
Eckhardt, Raph Augustine	Bellevue Hospital
A.B., 1922, University of Rochester	
Evans, Dennis Grooms.....	Jersey City Hospital, Jersey City, N. J.
A.B., 1920, Vanderbilt University	
Farr, Walter John.....	Brooklyn General Hospital, Brooklyn
A.B., 1922, Cornell University	
Fenton, Clement Coleman.....	Fordham Hospital
A.B., 1915, Columbia University	
Fisher, Edmund Warner.....	King's County Hospital, Brooklyn
Ch.E., 1918, Brooklyn Polytechnic Institute	
Freeman, Elizabeth Frances.....	Bellevue Hospital, 4th Div.
A.B., 1919, Wellesley College	
Gregory, Marie Fuhrer.....	Bellevue Hospital
B.S., 1922, Barnard College	
Hanfling, Harry	Lebanon Hospital
B.S., 1921, College of the City of New York	
Hitchcock, Raymond Owen.....	Bellevue Hospital
A.B., 1920, Cornell University	

STUDENT REGISTER

Hollister, James Frederic.....	Lenox Hill Hospital
A.B., 1922, Cornell University	
Jablon, William Irving.....	St. Joseph's Hospital, Paterson, N. J.
A.B., 1922, Cornell University	
Jacobs, Edward	Michael Reese Hospital, Chicago, Ill.
B.S., 1921, College of the City of New York	
Johnsen, Sigurd	Passaic General Hospital, Passaic, N. J.
B.S., 1921, University of Chicago	
Kwong, Tsae Ngoo.....	Memorial Hospital, Worcester, Mass.
A.B., 1921, Cornell University	
Lipsky, Merrill David.....	New York Hospital
A.B., 1922, Cornell University	
Mather, Fred	Norwegian Hospital, Brooklyn
B.S., 1920, Massachusetts Agricultural College	
Michaelis, Alfred Moritz.....	Mt. Sinai Hospital
A.B., 1920, Columbia University	
Parkhurst, Irving Wright.....	
A.B., 1922, Cornell University	
Peer, Lyndon Arthur.....	New Haven General Hospital, New Haven, Conn.
A.B., 1922, Cornell University	
Preston, Melvin George	
A.B., 1922, Cornell University	
Proctor, Thomas Main.....	Gouverneur Hospital
B.S., 1919, Colgate University	
Reid, Ada Chree.....	N. Y. Infirmary for Women and Children
A.B., 1917, Barnard College	
Rollins, Walter Jesse.....	Walter Reid Hospital, Washington, D. C.
B.S., 1922, Massachusetts Agricultural College	
Schwartz, Samuel	Greenpoint Hospital, Brooklyn
B.S., 1921, Cornell University	
Sherrill, Walter Paul.....	Bellevue Hospital
A.B., 1922, Cornell University	
Simon, Max Michael.....	Lebanon Hospital
B.S., 1921, Union College	
Solovay, Hyman	King's County Hospital, Brooklyn
A.B., 1922, Cornell University	
Stone, Neil Charles.....	New York Hospital
B.S., 1921, University of Rochester	
Travell, Virginia Macqueen	
A.B., 1921, Wellesley College	
Vosburgh, Frances Elizabeth.....	Albany Hospital, Albany, N. Y.
A.B., 1918, Vassar College	
Wade, Preston Allen	New York Hospital
A.B., 1922, Cornell University	
Ward, Albert John.....	New York Hospital
A.B., 1921, Cornell University	
Watson, William Law	Bellevue Hospital
A.B., 1922, Cornell University	
Weber, Alice Dora	Bellevue Hospital
A.B., 1922, Cornell University	
White, Thomas Joseph	Jersey City Hospital, Jersey City, N. J.
A.B., 1920, Fordham University	
Wilson, Harold A.	Brooklyn General Hospital, Brooklyn
A.B., 1922, Cornell University	
Windsberg, Eske Harry	Worcester City Hospital, Worcester, Mass.
Ph.B., 1921, Brown University	
Wright, Chauncey Bechtle.....	French Hospital
A.B., 1921, Johns Hopkins University	

CORNELL UNIVERSITY MEDICAL COLLEGE

STUDENTS 1925-26

Candidates for the Degree of Doctor of Medicine.

FOURTH YEAR.

Robert Saunders Ackerly, A.B., 1922, Cornell University.....Cuba, N. Y.
 Harry Christie Aitken, A.B., 1921, Stanford University.....Berkeley, Cal.
 Walter Ing Akana, A.B., 1922, Cornell University.....Honolulu, Hawaii
 Irwin Alters, B.S., 1919, New York University.....New York, N. Y.
 Philip Brownell Armstrong, B.S., 1921, Massachusetts Agricultural College,

Rutherford, N. J.

Myron August, A.B., 1922, Western Reserve University....Cleveland, Ohio
 Stanley Day Banks, B.S., 1922, Alfred University.....Horsehead, N. Y.
 Aaron Bell, B.A., 1923, Cornell University.....Brooklyn, N. Y.
 Beatrice Mary Belser, A.B., 1923, Cornell University.....New York, N. Y.
 Elizabeth Brakeley, A.B., 1916, A.M., 1917, Bryn Mawr College, Ph.D., 1920,

Columbia University, Freehold, N. J.

Roswell Kingsbury Brown, B.S., 1919, Wooster College...Winona Lake, Ind.
 Katharine Kundsens Burnet, A.B., 1921, Vassar College....East Orange, N. J.
 Lyman Burnham, A.B., 1923, Cornell University.....Brooklyn, N. Y.
 John Spencer Carman, A.B., 1921, University of Rochester...Rochester, N. Y.
 Julius Chasnoff, B.S., 1922, College of the City of New York...New York, N. Y.
 Kenneth Mead Clough, A.B., 1923, Cornell University.....Brooklyn, N. Y.
 Robert Lloyd Craig, A.B., 1923, College of the City of New York...New York, N. Y.
 Fritz Jacob Cramer, A.B., 1922, Pomona College.....San Diego, Cal.
 Roy G. S. Dougall, A.B., 1922, John B. Stetson University...Dayton Beach, Fla.
 Wade Duley, A.B., 1923, Cornell University.....Port Jervis, N. Y.
 Emanuel Zachary Epstein, A.B., 1923, Columbia University..Brooklyn, N. Y.
 Blanche Mildred Evans, A.B., 1922, Wellesley College.....Glen Ridge, N. J.
 Paul Fagin, B.S., 1922, College of the City of New York....New York, N. Y.
 Frank Miller Falconer, A.B., 1922, Cornell University.....Jamestown, N. Y.
 Irving Graef, A.B., 1923, Cornell University.....Cedarhurst, N. Y.
 Horace Greeley, Jr., B.S., 1920, Ch.E., 1921,

Brooklyn Polytechnic Institute, Brooklyn, N. Y.

Jacob Greenstein, A.B., 1922, Brown University.....Providence, R. I.
 James Dayton Robert Griffith, A.B., 1922, Hamilton College,

New Hartford, N. Y.

Milton Helpern, B.S., 1922, College of the City of New York...New York, N. Y.
 Theodore George Holzsaeger, B.S., 1921, College of the City of New York,
 Brooklyn, N. Y.

Edward Kenneth Horton, A.B., 1922, Cornell University.....Whitehall, N. Y.
 Marion Gertrude Josephi, A.B., 1922, Wellesley College.....New York, N. Y.
 Edward Lawrence Keyes, B.S., 1921, Princeton University..Forest Hills, N. Y.
 Edwina Kittredge, A.B., 1922, Vassar College.....North Andover, Mass.
 Joseph Harris Lapin, B.Chem., 1920, Cornell University.....Brooklyn, N. Y.
 McKinley London, A.B., 1922, Ohio State University.....Cleveland, Ohio
 Roland Leonard Maier, A.B., 1923, Cornell University....Schenectady, N. Y.
 Dean Wilson Marquis, B.S., 1922, Wooster College.....Wooster, Ohio

STUDENT REGISTER

- Joseph Bryant Mathewson, A.B., 1923, Cornell University.....Bath, N. Y.
John Gaffey McGrath, A.B., 1922, Columbia University.....San Mateo, Cal.
Edwin Francis Merolla, A.B., 1923, Cornell University.....Brooklyn, N. Y.
George Samuel Meister, B.S., 1919, New York University.....Brooklyn, N. Y.
Raymond Joseph Millemann, B.S., 1922, Dartmouth College....Brooklyn, N. Y.
Norman Slawson Moore, A.B., 1923, Cornell University.....Ithaca, N. Y.
Nathan Nemerson, B.S., 1922, New York University.....Brooklyn, N. Y.
Roger Wendell Ogburn, A.B., 1921, University of North Carolina,
Greenboro, N. C.
Irvine Heimly Page, A.B., 1921, Cornell University.....Indianapolis, Ind.
Norman Papae, A.B., 1921, College of the City of New York,
Mt. Vernon, N. Y.
Samuel Pinonsky, B.S., 1922, Colby College.....Brooklyn, N. Y.
Norman Herbert Plummer, A.B., 1922, University of California..Reno, Nevada
Perry Alexander Proudfoot, B.S., 1913, Amherst College.....Roselle, N. J.
Warren David Robbins, A.B., 1923, Cornell University.....Port Norris, N. J.
John Stanislovaitis Staneslow, A.B., 1922, Cornell University..Binghamton, N. Y.
Catherine Strunk, A.B., 1923, Cornell University.....Ithaca, N. Y.
Leonard Tarr, B.S., 1921, College of the City of New York..Brooklyn, N. Y.
Janet Graeme Travell, A.B., 1922, Wellesley College.....New York, N. Y.
Bettina Warburg, A.B., 1921, Bryn Mawr College.....New York, N. Y.
Herbert Spencer Weichsel, B.S., 1922, Colgate University...New York, N. Y.
James Higgins Whaley, Jr., B.S., 1922, New York University....Rome, N. Y.
James Lewis Winemiller, A.B., 1920, Fordham University..Great Neck, N. Y.
DeGreef Woodman, B.S., 1917, Cornell University.....New York, N. Y.
Leverett Stearns Woodworth, B.S., 1923, Massachusetts Agricultural College,
Newton, Mass.
Irving Sherwood Wright, A.B., 1923, Cornell University.....Bloomfield, N. J.
George John Young, A.B., 1923, Cornell University.....Brooklyn, N. Y.

THIRD YEAR.

- Frederick Henry Amendola, B.S., 1923, College of the City of New York
New York, N. Y.
Anthony Angello, A.B., 1924, Cornell University.....Mt. Vernon, N. Y.
Charles Webner Barkhorn, B.S., 1923, Princeton University....Newark, N. J.
Shirley Harold Baron, A.B., 1924, University of Oregon....Portland, Oregon
Eben Thompson Breed, A.B., 1924, Cornell University.....Ithaca, N. Y.
Thomas Ignatius Brennan, B.S., 1923, Fordham University....New York, N. Y.
Henry Arthur Christian, B.S., 1923, New York University....Jersey City, N. J.
Arthur E. Corwith, A.B., 1924, Cornell University.....Water Mill, N. Y.
Anthony James Delario, A.B., 1924, Cornell University.....Elmira, N. Y.
Peter Gilbert Denker, B.S., 1923, College of the City of New York
New York, N. Y.
Charles Warren DuBois, A.B., 1924, University of California..Los Angeles, Cal.
Helen Elston, B.S., 1916, Elmira CollegeElmira, N. Y.
William Louis Fleishfarb, B.S., 1923, New York University....Brooklyn, N. Y.
Lyman Gill Fussell, A.B., 1923, Columbia University.....Wantageh, N. Y.
Margaret Heighe Gantt, A.B., 1923, Smith College.....Woodstock, Va.

CORNELL UNIVERSITY MEDICAL COLLEGE

- William Travis Gibb, A.B., 1924, Columbia University.....New York, N. Y.
Jessie L. Gillespie, A.B., 1922, Randolph-Macon Woman's College
Pounding Mill, Va.
C. Malcolm Gilman, A.B., 1922, Columbia University....Princess Anne, Md.
George Joseph Ginandes, B.S., 1923, College of the City of New York
New York, N. Y.
Benjamin Frank Glasser, B.Ch., 1920, Cornell University.....Brooklyn, N. Y.
Henry Goldberg, A.B., 1924, Cornell University.....New York, N. Y.
Leander Armand Guite, B.S., 1923, Colby College.....Waterville, Me.
Walter Gerard Hanlon, A.B., 1922, Columbia University.....Stapleton, N. Y.
John Henry Harrington, A.B., 1924, Cornell University.....Buffalo, N. Y.
Richard Lawrence Harvey, A.B., 1924, Cornell University..New Rochelle, N. Y.
Charles F. Hawkins, A.B., 1924, Cornell University.....Buffalo, N. Y.
Frank F. Holmberg, A.B., 1924, Cornell University.....Sag Harbor, N. Y.
Nathan Hudes, A.B., 1924, Cornell University.....Brooklyn, N. Y.
Thomas Amos Killip, Jr., A.B., 1924, University of Rochester..Rochester, N. Y.
George Ladas, A.B., 1924, Cornell University.....New York, N. Y.
Solomon Lasky, B.S., 1918, College of the City of New York..Brooklyn, N. Y.
Milton I. Levine, B.S., 1923, College of the City of New York, New York, N. Y.
Robert M. Lintz, A.B., 1924, Cornell University.....New Kensington, Pa.
Wallace Lisbon, Ph.B., 1923, Brown University.....Providence, R. I.
Victor Wesley Logan, A.B., 1923, Princeton University.....New York, N. Y.
Henry Lowey, A.B., 1924, Cornell University.....New York, N. Y.
Gaston Alexandre Manuel, B.S., 1919, Lausanne University
Lausanne, Switzerland
Chauncey J. Mardis, A.B., 1923, Ohio University.....Lebanon, Ohio
Malcolm Woodruff Mason, B.S., 1923, New York University..Brooklyn, N. Y.
Richard Hayes Meagher, Ph.B., 1921, Yale.....Greenwich, Conn.
Carlotta Mendez, A.B., 1924, Cornell University.....Ithaca, N. Y.
Joseph Harold Merin, B.S., 1923, College of the City of New York
New York, N. Y.
Saul Moress, A.B., 1923, University of Rochester.....New York, N. Y.
Leo Joseph O'Donnell, Ph.B., 1923, Brown University....Woonsocket, R. I.
Anna R. Schults, A.B., 1920, Hunter College.....Brooklyn, N. Y.
Anthony Skur, A.B., 1924, Western Reserve University.....Cleveland, O.
Raymond D. Snyder, A.B., 1924, Cornell University.....Hillsdale, N. Y.
Paul John Soley, B.S., 1923, Dartmouth College.....South Orange, N. J.
Carl Peter Stadlinger, B.S., 1923, Dartmouth College.....Piedmont, Cal.
John George Stubenbord, A.B., 1924, Columbia University....Jersey City, N. J.
John P. Stump, A.B., 1923, Johns Hopkins University.....Cumberland, Md.
Victor Ellsworth Thomas, A.B., 1923, Leland Stanford University..Puente, Cal.
Elsie Ward, A.B., 1923, Cornell University.....Gloversville, N. Y.
Florence E. Warner, A.B., 1924, Cornell University.....Binghamton, N. Y.
Henry Booth Wightman, A.B., 1923, Williams College.....New York, N. Y.
Harold Lynn Wilson, A.B., 1924, Cornell University.....Buffalo, N. Y.
Jocelyn Woodman, A.B., 1919, Cornell University.....Brooklyn, N. Y.
S. Bernard Wortis, A.B., 1923, New York University.....Brooklyn, N. Y.

STUDENT REGISTER

SECOND YEAR.

Alexander James Barclay, A.B., 1922, Cornell University.....Ardonia, N. Y.
Charles Edward Bauer, B.S., 1924, St. Lawrence University,
Poughkeepsie, N. Y.
Leon Alexander Beardsley, A.B., 1925, Cornell University.....Ithaca, N. Y.
Nathan Beckenstein, A.B., 1925, Cornell University.....New York, N. Y.
Erving Beckwith, A.B., 1925, Cornell University.....East Pembroke, N. Y.
Maurice Marshall Berck, A.B., 1925, Columbia University...New York, N. Y.
Lurtis Bruen, A.B., 1925, Columbia University.....Towaco, N. J.
George A. Bullwinkle, A.B., 1925, Cornell University.....Brooklyn, N. Y.
Francis Michael Conway, A.B., 1924, Columbia University....Brooklyn, N. Y.
Edwin Christopher Coyne, A.B., 1925, Cornell University.....Yonkers, N. Y.
Hilda Chaffee Crosby, A.B., 1924, Wellesley College.....Hartford, Conn.
Dorence Franklin Dean, A.B., 1924, Cornell University....New York, N. Y.
Samuel Dimond, B.S., 1924, New York University.....New York, N. Y.
Luth Earp, A.B., 1924, Wellesley College.....Madison, N. J.
James Francis Flattery, A.B., 1924, College of the City of New York,
New York, N. Y.
George Camp Freeman, B.S., 1923, Rutgers College.....Millington, N. J.
Albert Harold Garofalo, A.B., 1924, Syracuse University....Syracuse, N. Y.
Milton Goldberger, A.B., 1924, Brown University.....Providence, R. I.
Milton Goodfried, B.S., 1924, New York University.....Mt. Vernon, N. Y.
Clayton Lloyd Poor Gray, A.B., 1924, A.M., 1925, Cornell University..Clayton, N. Y.
Sidney Matthew Greenberg, A.B., 1925, Cornell University....Brooklyn, N. Y.
Harry Jonathan Greene, B.S., 1924, Colby College.....Brooklyn, N. Y.
Patrick Louis Gryzwacz, B.S., 1924, Massachusetts Agricultural College,
Ware, Mass.
Edward Flemmon Hall, Jr., A.B., 1924, Cornell University...Birmingham, Ala.
Bernard Hatz, B.Chem., 1921, Cornell University.....Brooklyn, N. Y.
Paul Jeffrey Hauck, A.B., 1925, Ohio University.....Brookville, Pa.
William Hedvig Hellstrom, A.B., 1925, Cornell University...Haverstraw, N. Y.
Louise Hunt, A.B., 1921, Smith College.....New York, N. Y.
Raymond James Kay, A.B., 1925, Cornell University.....Central Falls, R. I.
James Hugh Kidder, A.B., 1924, Fordham University.....New York, N. Y.
Henry Bingham Kirkland, A.B., 1924, Princeton University..Brooklyn, N. Y.
Milton Kissin, A.B., 1925, Cornell University.....New York, N. Y.
Herbert N. Klein, A.B., 1923, College of the City of New York, New York, N. Y.
Samuel Harold Klein, A.B., 1925, Cornell University.....Brooklyn, N. Y.
Ernest Hall Kline, A.B., 1924, Cornell University.....Nyack, N. Y.
Joseph Anton Latona, A.B., 1925, Cornell University.....Garfield, N. J.
Elsie Dorothea Lemcke, B.S., 1920, Barnard College.....Orange, N. Y.
Isabel Marion London, A.B., 1922, Barnard College.....New York, N. Y.
Richard L. Long, A.B., 1924, Cornell University.....Charlemont, Mass.
Edward Francis Malloy, A.B., 1925, Colgate University.....Ilion, N. Y.
Arthur Frederick Mangelsdorff, B.S., 1925, Rutgers College..Union Hill, N. J.
Duncan Tracy McEwan, A.B., 1925, Cornell University..Cooperstown, N. Y.
Dolph Thomas Milhorat, A.B., 1924, Columbia University..Carlstadt, N. J.
Max Moses, A.B., 1924, Alfred University.....Spring Valley, N. Y.
Samuel Myerson, B.S., 1924, College of the City of New York..Brooklyn, N. Y.
Grace Trenholme Newman, A.B., 1921, Adelphi College....Brooklyn, N. Y.
Valentine Nowicki, A.B., 1925, Cornell University.....Yonkers, N. Y.
Tsung Tsong Nyi, A.B., 1924, Smith College.....Soochow, China
David Harold Paley, B.S., 1925, Alfred University.....New York, N. Y.
Adelin Ruth Perry, A.B., 1924, Cornell University.....Ithaca, N. Y.
Charles Howard Rothfuss, B.S., 1922, Susquehanna University,
Williamsport, Pa.
Joseph Robert Shaeffer, Jr., A.B., 1925, Cornell University..Ballston Spa, N. Y.
Edward Felix Shnayerson, B.S., 1924, Dartmouth College....Brooklyn, N. Y.

CORNELL UNIVERSITY MEDICAL COLLEGE

Rose Spiegel, A.B., 1925, Cornell University.....Brooklyn, N. Y
Morton Samuel Stern, B.S., 1923, Dartmouth College.....Berlin, N. F
Mossey Sussman, B.S., 1923, New York University.....Jersey City, N.
Jesse Tolmach, A.B., 1924, Syracuse University.....Brooklyn, N. Y
Calvin Clark Torrance, B.S., 1924, Colgate University..North Tarrytown, N. Y
Donald Dennis Trantum, B.S., 1925, Colgate University....Jamestown, N. Y
Reuben Turner, A.B., 1925, Cornell University.....New York, N. Y
Stratford Corbett Wallace, A.B., 1925, Columbia University..New York, N. Y
Joseph Waxelbaum, A.B., 1925, Cornell University.....Brooklyn, N. Y
Joseph Gerard Welling, A.B., 1923, Fordham University..New Rochelle, N. Y
Arthur Archibald Weinberg, A.B., 1924, University of Southern California,
Brooklyn, N. Y
Olive Whitney Wheaton, A.B., 1924, Hunter College.....San Francisco, Ca
A J. Whitehouse, A.B., 1924, University of Kentucky.....Lexington, K
James Isadore Yanick, B.S., 1924, Alfred University.....Paterson, N.
Isidore Charles Zuckerman, B.S., 1924, College of the City of New York,
Brooklyn, N. Y

FIRST YEAR.

Herbert Spencer Abel, A.B., 1925, Harvard College.....Providence, R.
Sara Bass, Cornell University*New York, N. Y
James Randolph Beard, B.S., 1925, Wesleyan University.....Brooklyn, N. Y
Arthur Randall Beil, Ph.B., 1925, Brown University....Youngstown, N. Y
Harold James Benson, B.S., 1925, New York University..West New York, N. Y
Eugene Clark, A.B., 1925, Cornell University.....Brooklyn, N. Y
Paul W. Cohen, B.S., 1920, College of the City of New York..New York, N. Y
Earl Aubrey Dennis, Wooster College*.....Bloomdale, Ohi
Dominic Anthony De Santo, A.B., 1925, Columbia University..Elizabeth, N.
Eberhard Otto Alois Dittrich, A.B., 1925, Manhattan College..Brooklyn, N. Y
Harold Henning Dodds, A.B., 1925, Williams College.....Troy, N. Y
Albert Harris Douglas, B.S., 1925, College of the City of New York,
New York, N. Y
Michael Joseph Doyle, A.B., 1925, New York University....New York, N. Y
John Shanley Fitzgerald, B.S., 1923, Hamilton College.....Utica, N. Y
Bernard Fread, B.S., 1925, College of the City of New York..New York, N. Y
Herman Glassman, B.S., 1925, Colby College.....Brooklyn, N. Y
Charles Kemm Good, A.B., 1924, Columbia University....Union City, N.
Richard Birchill Good, B.S., 1925, New York University....Union City, N.
Erwin Kroll Gutman, A.B., 1925, Columbia University....Ridgefield, N.
Louis Richard Haas, B.S., 1925, New York University.....Weehawken, N.
Virginia Clay Hamilton, A.B., 1925, Wellesley College.....Lexington, K
Kenneth MacLeod Hill, Columbia University*.....New York, N. Y
William Maxwell Hitzig, Columbia University*.....Astoria, N. Y
Winifred Louise Hope, A.B., 1922, Smith College.....Katonah, N. Y
Frances Lillian Ilg, A.B., 1925, Wellesley College.....Manitowish, Wi
Harry Inkster, B.S., 1924, University of Washington.....Seattle, Wash
LeMoyne Copeland Kelley, A.B., 1924, University of Rochester, Rochester, N. Y
George Henry Kittell, A.B., 1925, Hamilton College.....Jamaica, N. Y
Estelle Elizabeth Kleiber, B.S., 1925, New York University....Hoboken, N.
Charles Andrew Landshoff, B.S., 1925, New York University, Jersey City, N.
Frank Schmidt Linane, A.B., 1925, St. John's College.....Brooklyn, N. Y
Edmund Vincent Lynch, College of the City of New York*..New York, N. Y
John Edward McAniff, A.B., 1925, Fordham University....New York, N. Y
Annie Parks McCombs, B.S., 1925, Connecticut College.....Charlotte, N. C
Pompey Scipio Milici, B.S., 1925, Yale University.....New Haven, Conn
Irwin Phillips, A.B., 1925, University of Tennessee.....Fountain City, Tenn

*Admitted under Clause II.

STUDENT REGISTER

Paul Lange Phillips, A.B., 1924, Bowdoin College.....Brooklyn, N. Y.
Herbert Pollack, A.B., 1925, Washington and Lee University, New York, N. Y.
Albert Grant Rapp, Alfred University*.....Paterson, N. J.
Eugene Launan Richmond, A.B., 1924, Clark University....Worcester, Mass.
Herand Robinson, B.S., 1925, Wooster College.....New York, N. Y.
Harold Carl Rosenthal, A.B., 1925, Cornell University....Poughkeepsie, N. Y.
William Francis J. Ryan, A.B., 1925, Fordham Univiersity....Newark, N. J.
Louis Schneider, B.S., 1913, Syracuse University.....Brooklyn, N. Y.
Frederick Gilman Scovel, A.B., 1925, Hamilton College.....Cortland, N. Y.
George Gould Snider, A.B., 1921, University of Cincinnati. Huntingdon, N. Y.
Robert Thurston Spicer, A.B., 1925, Alfred University.....Plainfield, N. J.
Herman Tannenbaum, B.S., 1925, College of the City of New York,
New York, N. Y.
Albert Vander Veer, III, A.B., 1925, Yale College.....Albany, N. Y.
Henry Ambrose Wahn, A.B., 1925, Manhattan College.....New York, N. Y.
Wilfred Davies Wingeback, B.S., 1925, College of the City of New York,
New York, N. Y.
John Emile Wirth, Columbia University*.....New York, N.Y.

FIRST YEAR AT ITHACA

Ethelyn Anderson, B.S., 1923, Syracuse University.....	Olean, N. Y.
Abraham A. Antoville, Cornell University*.....	New York, N. Y.
Samuel A. Arnold, Cornell University*.....	New York, N. Y.
William Benenson, A.B., 1925, Cornell University.....	Napanoch, N. Y.
Ignacio Bird-Acosta, Cornell University*.....	Fajardo, P. R.
Aaron Bodansky, B.S., 1915, Ph.D., 1921, Cornell University.....	Ithaca, N. Y.
Joseph Brody, Cornell University*.....	Brooklyn, N. Y.
Umbert Cimildoro, Cornell University*.....	Auburn, N. Y.
Thomas F. Crowley, Cornell University*.....	Oswego, N. Y.
Ernani d' Angelo, Cornell University*.....	New York, N. Y.
Chares H. Deichman, Cornell University*.....	Caledonia, N. Y.
Edna Dyer, A.B., 1914, Wisconsin University, Ph.D., 1923, George Wash- ington University	Ithaca, N. Y.
Joseph A. Dye, A.B., 1916, Brigham Young University, Ph.D., 1925, Cornell University	Ithaca, N. Y.
Frank M. Falkenburg, Cornell University*.....	Whitehall, N. Y.
Ruth B. Ferriss, A.B., 1925, Syracuse University.....	Madison, N. J.
William P. Garver, Cornell University*.....	Lorain, O.
Jack S. Goltman, A.B., 1925, University of Pennsylvania.....	Memphis, Tenn.
Harry Gordon, Cornell University*.....	Tarrytown, N. Y.
Viola A. Graham, A.B., 1917, A.M., 1918, Ph.D., 1925, Cornell University, Ithaca, N. Y.	Ithaca, N. Y.
Arthur J. Harrington, Cornell University*.....	Buffalo, N. Y.
Edwin H. Heller, Cornell University*.....	Brooklyn, N. Y.
Saul I. Heller, A.B., 1925, Cornell University.....	Pittsburgh, Pa.
Elizabeth McNaugher, A.B., 1917, Radcliffe College.....	Ithaca, N. Y.
Lawrence O. Morgan, A.B., 1922, Southwestern College, A.M., 1923, Indiana University	Turon, Kansas
Lawrence D. Murphy, A.B., 1922, Johns Hopkins University.....	Washington, D. C.
John Noll, Jr., A.B., 1925, Cornell University.....	Youngstown, O.
Robert F. Pike, Cornell University*.....	New York, N. Y.
Adelaide Romaine, Cornell University*.....	Seabright, N. J.
Samuel H. Rosen, A.B., 1925, Cornell University.....	Newark, N. J.
Sol Lawrence Samuels, Cornell University*.....	Brooklyn, N. Y.
Duncan Whitehead, Cornell University*.....	Fitchburg, Mass.

*Admitted under Clause II.

CORNELL UNIVERSITY MEDICAL COLLEGE

Candidates for the Degree of Doctor of Philosophy.

- Earl Albert Martin, A.B., 1914, A.M., 1916, University of Missouri,
Bethany, Mo.
Hugh Ellis Morrow, B.S.A., 1904, University of Arkansas.....Foutteville, Ark.

Graduate Students (Not Candidates for a Degree)

- William Harold Chambers, Ph.D., 1920, Washington University (Anatomy),
White Plains, N. Y.
Vincenzo Sellaro, M.D., 1885, Naples, Italy (Anatomy).....New York, N. Y.
Willis Pollard Butler, M.D., 1911, Vanderbilt University (Pathology),
Shreveport, La.
Henry M. Feinblatt, M.D., 1913, Long Island College Hospital (Pathology),
Brooklyn, N. Y.
Jesse Morris Frankel, M.D., 1923, University and Bellevue Hospital Medical
College (Pathology)Brooklyn, N. Y.
Guilford Allen Robinson, M.D., 1919, Vanderbilt University (Pathology),
Western Grove, Ark.
Maxwell Rosenzweig, A.B., 1919, M.D., 1921, Columbia University
(Pathology)Brooklyn, N. Y.
Angelo M. Sala, A.B., 1916, St. John's College, M.D., 1921, St. Louis Uni-
versity (Pathology)New York, N. Y.
Milton Bein Rosenbluth, A.B., 1911, M.D., 1914, Columbia University
(Pharmacology)New York, N. Y.
Susan Sharpe Waddell, A.B., 1917, M.D., 1919, University of Pittsburgh
(Physiology)Blairstown, N. J.
Austin Philip Guiles, A.B., 1921, Princeton University, A.M., 1923, Columbia
University, B.D., 1924, Union Seminary (Psychiatry)...New York, N. Y.
Louis Bernard Goldberger, M.D., 1910, Long Island College Hospital
(Surgery)New York, N. Y.

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CORNELL UNIVERSITY

The GRADUATE SCHOOL (Degrees A.M., Ph.D., etc.)

The COLLEGE OF ARTS AND SCIENCES (Degrees A.B. and B. Chem.)

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The MEDICAL COLLEGE* (Degree M.D.)

The NEW YORK STATE VETERINARY COLLEGE (Degree D.V.M.)

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Ithaca, N. Y.

*The full four-year course of the CORNELL UNIVERSITY MEDICAL COLLEGE is given in the City of New York; the work of the first year is also given at Ithaca. Any student may take the first year either at New York City or at Ithaca. *All students take the last three years of the course in New York City only.* Special announcement of the Medical College and information of every kind regarding all four years will be furnished on application to

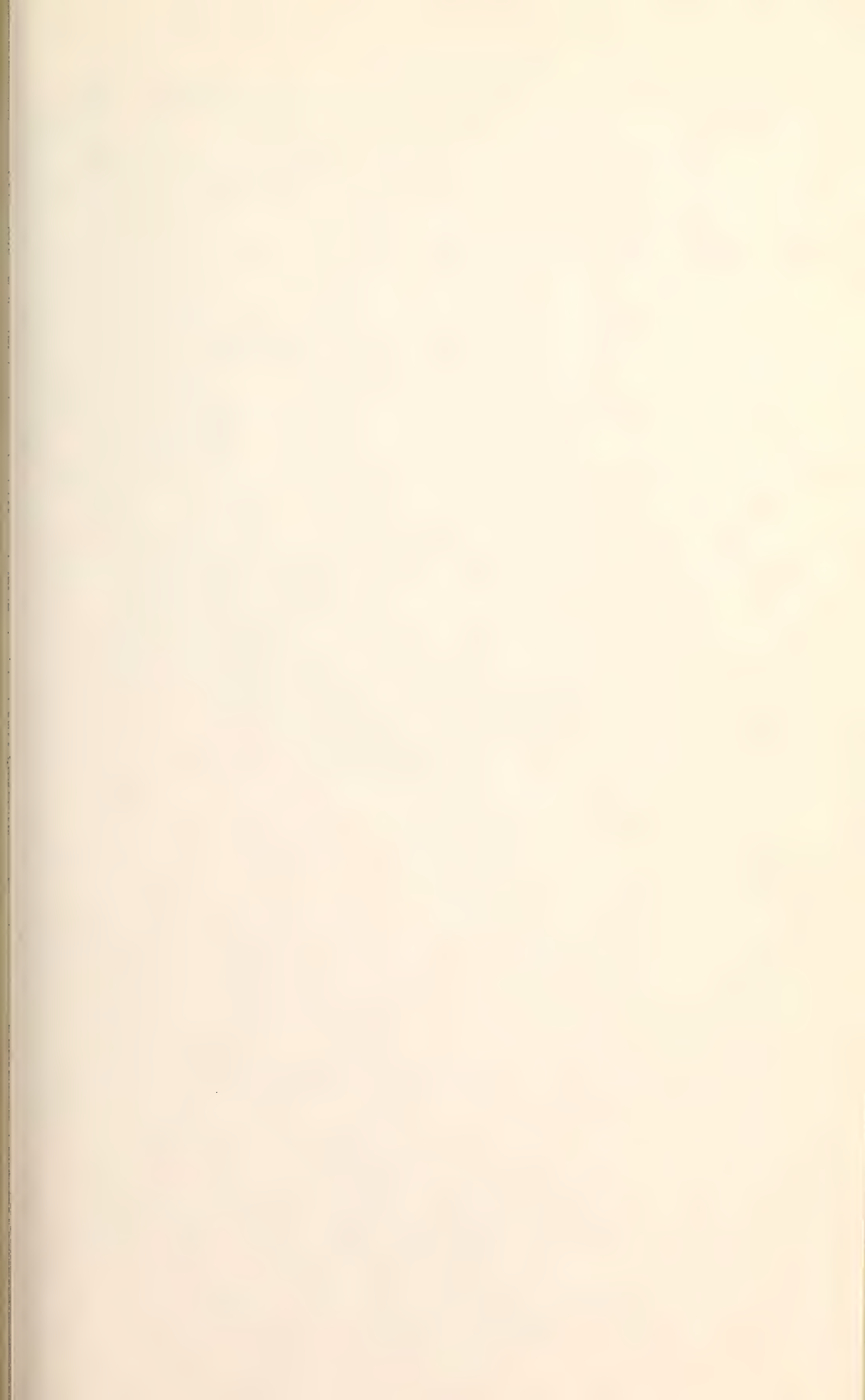
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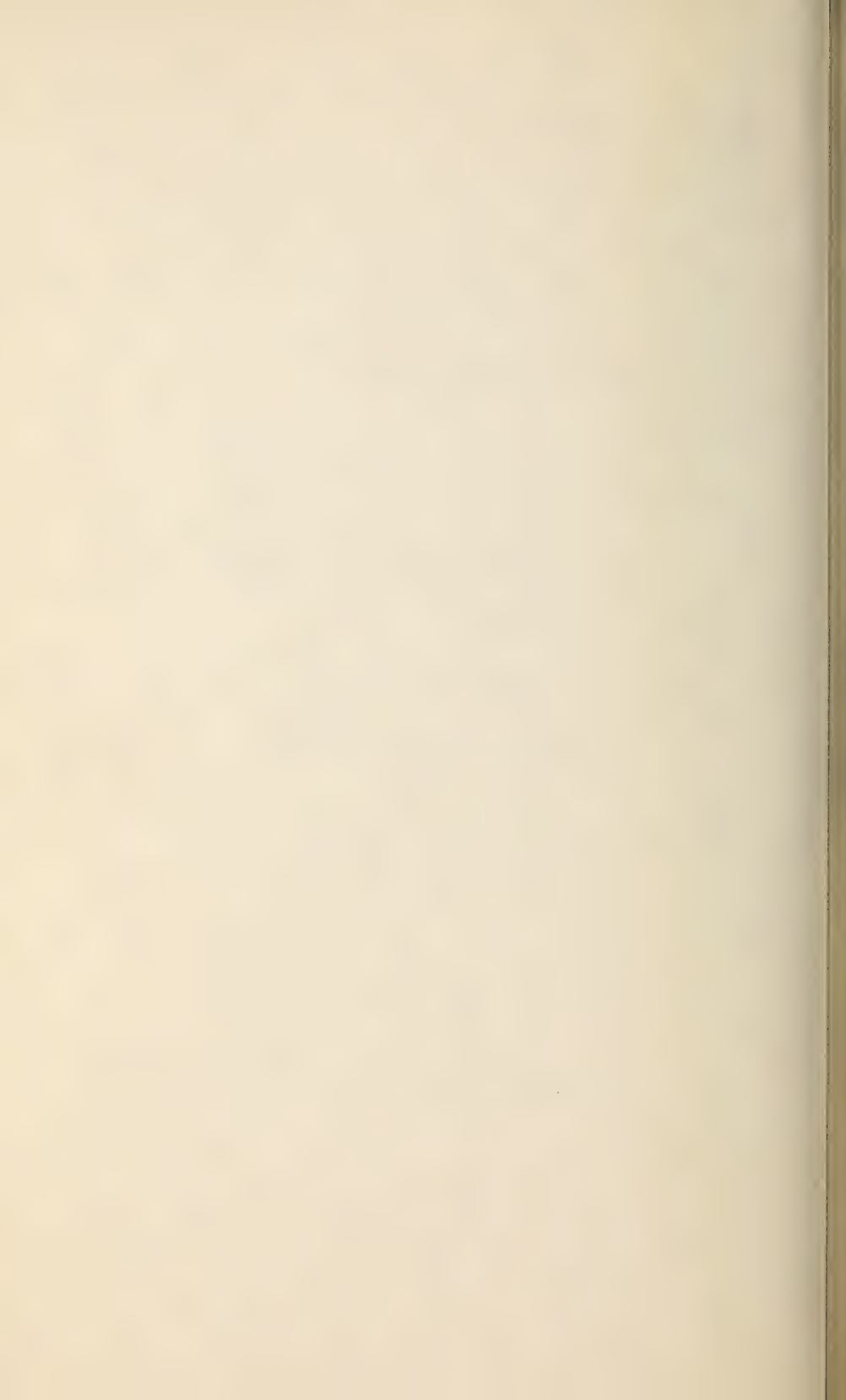
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Or, (regarding first year at Ithaca),

SECRETARY, Cornell Medical College,

Stimson Hall, Ithaca, N. Y.





CORNELL UNIVERSITY MEDICAL BULLETIN

VOLUME XVI

1927-28

NUMBER 3

ANNOUNCEMENT
OF THE
MEDICAL COLLEGE
NEW YORK AND ITHACA
1927

JANUARY, 1927
PUBLISHED BY CORNELL UNIVERSITY
477 FIRST AVENUE
NEW YORK CITY

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These publications include

**The Annual Announcement of the Medical College and
Reprinted Studies from the Several Departments of the Medical College
and its Research Laboratories**

C O R N E L L
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M E D I C A L B U L L E T I N

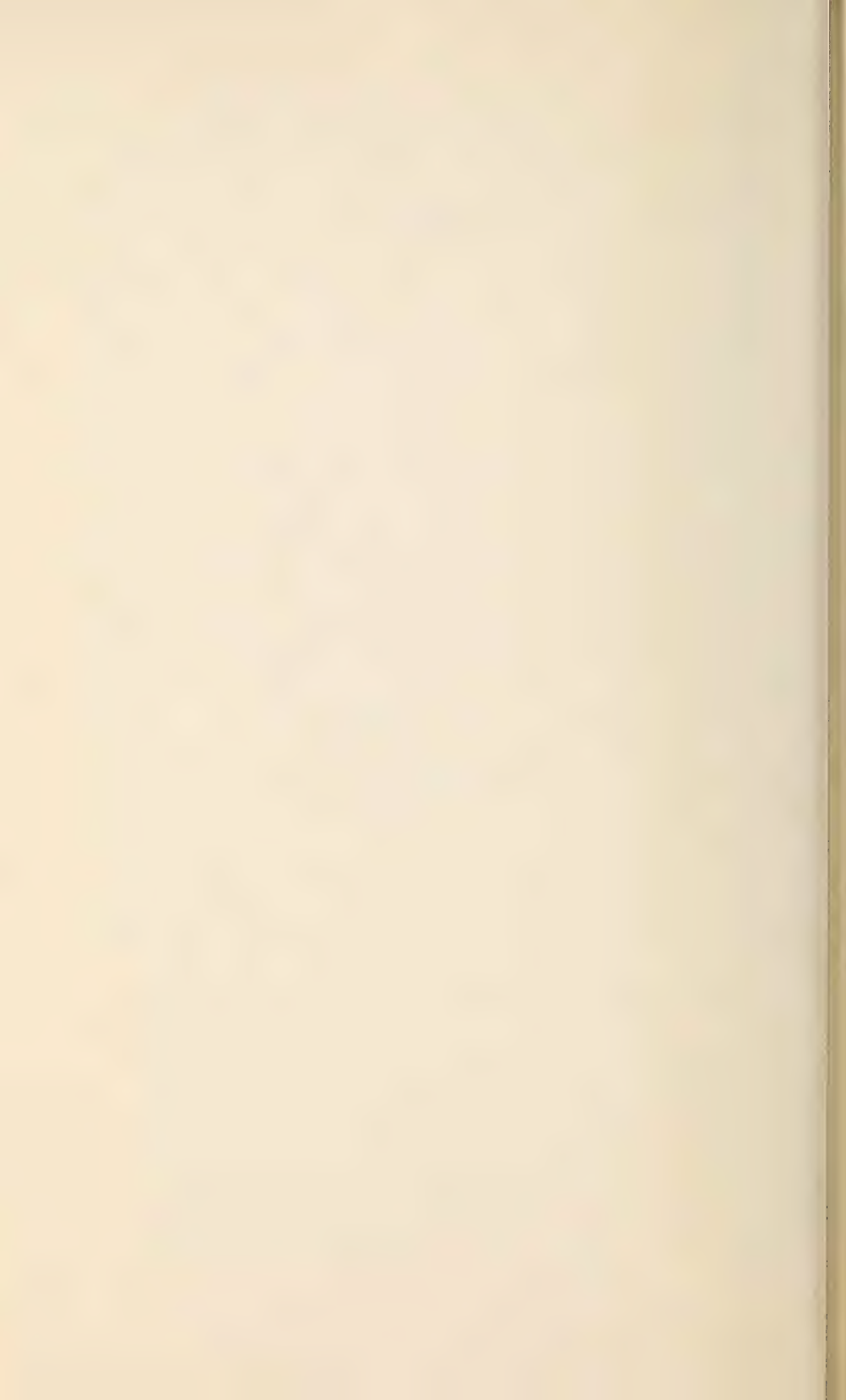
ANNOUNCEMENT
OF THE
MEDICAL COLLEGE
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CALENDAR

1927

- Jan. 3. Monday, 9 A.M.—Christmas recess ends. Second term begins.*
- Feb. 22. Tuesday—Legal holiday.
- March 12. Saturday, 6 P.M.—Second term ends.*
- March 14. Monday, 9 A.M.—Third term begins.*
- April 14. Thursday, 6 P.M.—Easter recess begins.
- April 18. Monday, 9 A.M.—Easter recess ends.
- May 28. Saturday, 6 P.M.—Third term ends.
- May 30. Monday—Legal holiday.
- May 31. Tuesday—Examinations begin.
- June 9. Thursday—Commencement.
- Sept. 19. Monday—Examinations begin for admission to the first year of all departments of Cornell University at Ithaca, N. Y.
- Sept. 30. Friday—Examinations begin for conditioned students and for those applying for advanced standing in the Medical College at New York City.
- Sept. 26. Monday—Last day for Registration.
- Sept. 27. Tuesday, 9 A.M.—Instruction begins.
- Oct. 12. Wednesday—Columbus Day, legal holiday.
- Nov. 8. Tuesday—Election Day, legal holiday.
- Nov. 23. Wednesday, 6 P.M.—Thanksgiving recess begins.
- Nov. 28. Monday, 9 A.M.—Thanksgiving recess ends.
- Dec. 17. Saturday, 6 P.M.—First term ends.* Christmas recess begins.

1928

- Jan. 3. Tuesday, 9 A.M.—Second term begins.
- Feb. 22. Wednesday—Legal holiday.
- March 10. Saturday, 6 P.M.—Second term ends.*
- March 12. Monday, 9 A.M.—Third term begins.*
- April 5. Thursday, 6 P.M.—Easter recess begins.
- April 9. Monday, 9 A.M.—Easter recess ends.
- May 26. Saturday, 6 P.M.—Third term ends.
- May 28. Monday—Examinations begin.
- May 30. Wednesday—Legal holiday.
- June 7. Thursday—Commencement.

*The session is subdivided into three terms of twelve, ten, and eleven weeks, respectively, and courses are scheduled in conformity with this subdivision.

All students must be registered at the secretary's office at or before the opening of the session. No student will be admitted after Registration Day without special permission of the Faculty. Immediately after registration the fees must be paid at the treasurer's office.

Any student may take the first year at either New York City or Ithaca. All students take the last three years at New York City only.

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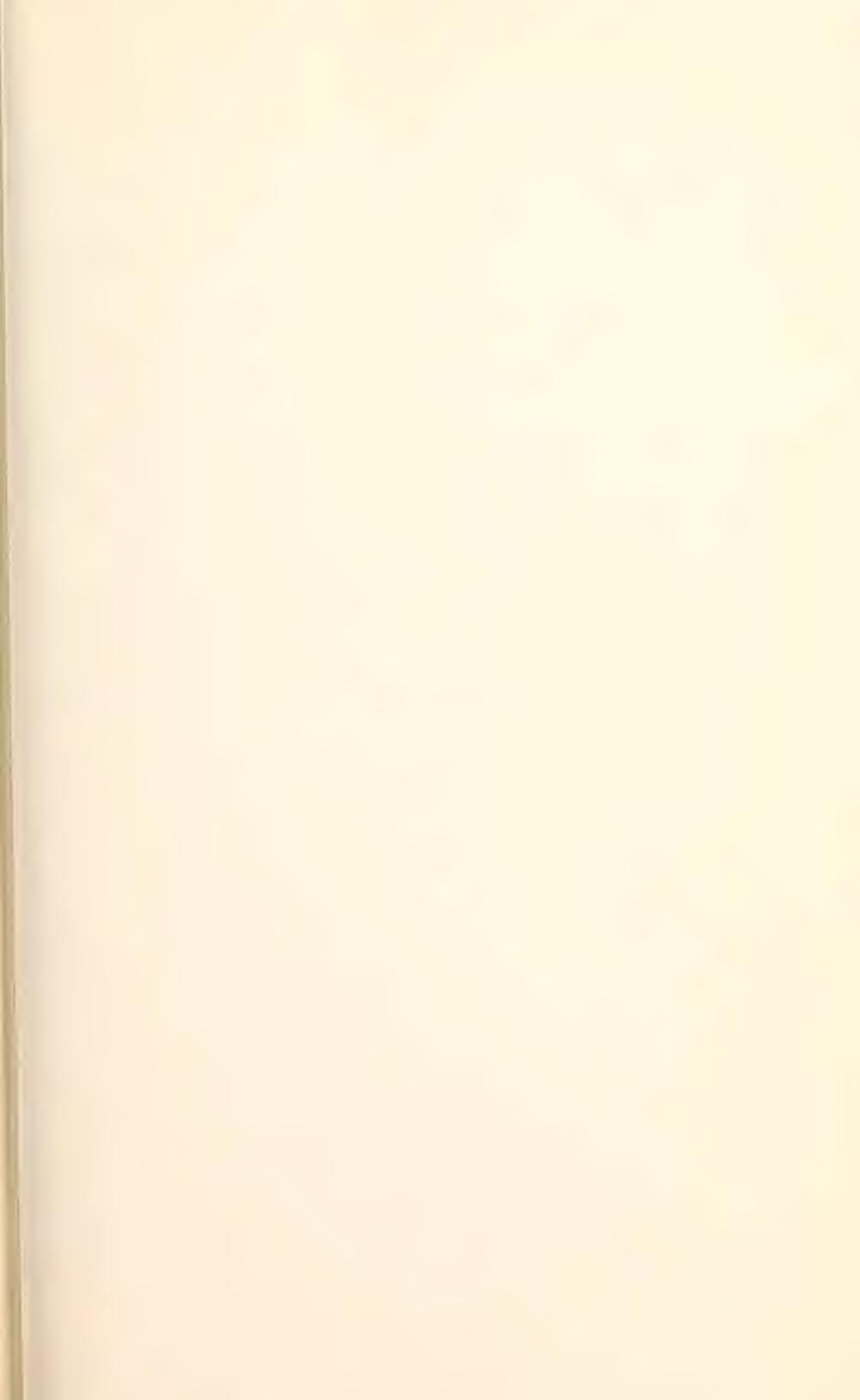
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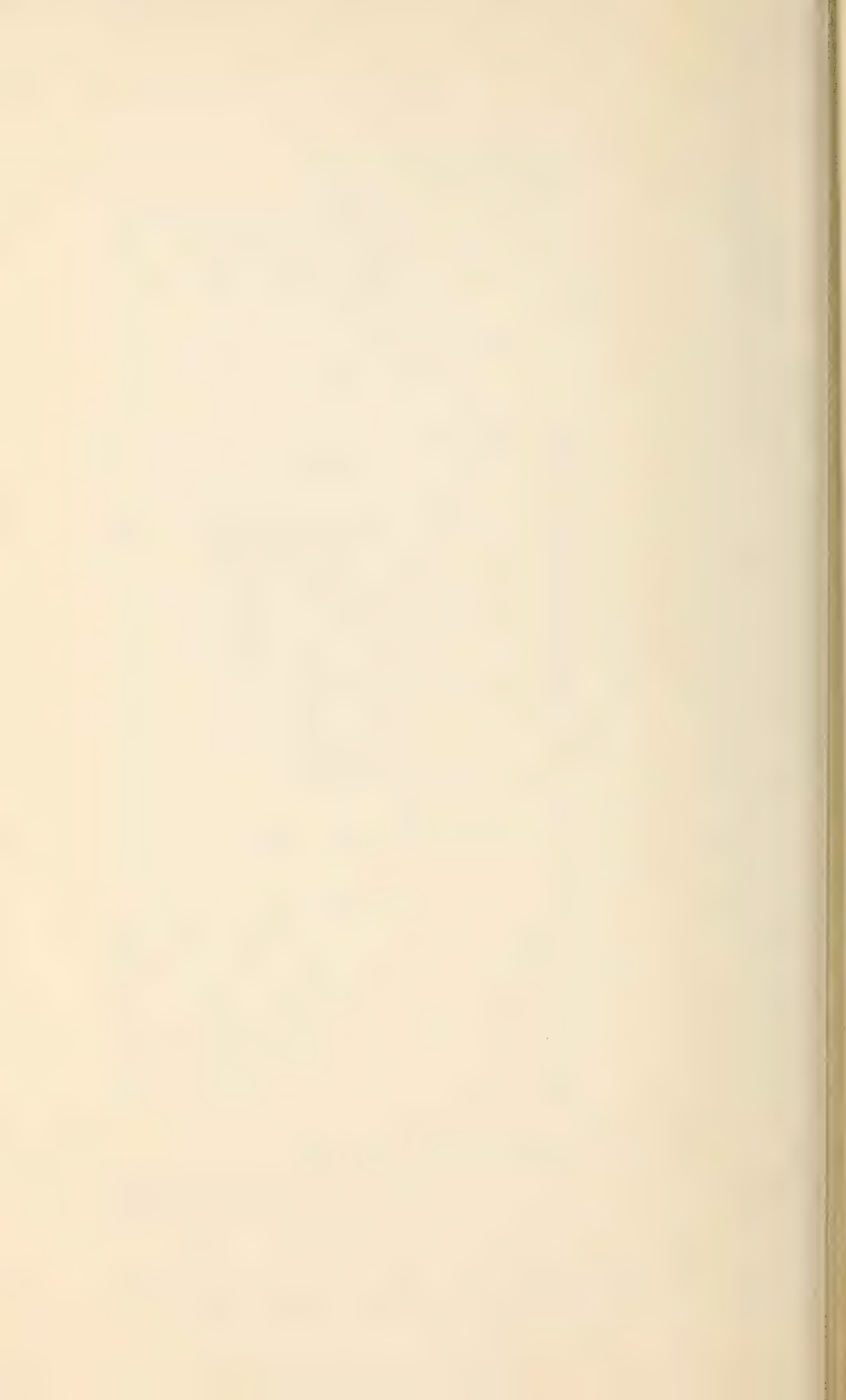
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*Term of office expires in 1927, the next group of six in 1928, etc. B, elected by the Board; A, elected by Alumni; G, appointed by Governor; Gr, elected by State Grange.





MEDICAL COLLEGE COUNCIL.

At the foundation of the Medical College the following resolution establishing a Medical College Council and determining its functions was adopted by the Board of Trustees of Cornell University.

Resolved, That for the purpose of making recommendations to the Board of Trustees or the Executive Committee in relation to the business management of the Medical College there be established, and there is hereby established, a Medical College Council which shall consist of seven members, to wit: the President of the University (who shall be *ex-officio chairman*), the Dean of the Medical College, and three trustees to be elected by the Board of Trustees or the Executive Committee, who shall be appointed, one for one year, one for two years, and one for three years, and their successors to be appointed for three years, and two members of the Faculty, to be elected by the Faculty, who shall be appointed, one for one year and one for two years, and their successors to be appointed for two years, and that all appointments to fill vacancies be made for unexpired terms.

The Council at present consists of the following members:

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CORNELL UNIVERSITY MEDICAL COLLEGE

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President.

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Dean, Professor of Clinical Medicine, Visiting Physician to Bellevue Hospital and Consulting Physician to Memorial and South Hampton Hospitals.

FREDERIC S. DENNIS, A.B., M.D., F.R.C.S.,

Professor of Clinical Surgery, Emeritus.

NEWTON M. SHAFFER, M.D.,

Professor of Orthopedic Surgery, Emeritus.

W. GILMAN THOMPSON, Ph.B., M.D.,

Professor of Medicine, Emeritus.

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Professor of Clinical Surgery, Emeritus.

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Professor of Clinical Surgery, Emeritus.

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Professor of Pathology, Director of Cancer Research, Memorial Hospital.

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Professor of Medicine, Physician to New York Hospital, Consulting Physician to Bellevue, Woman's and Memorial Hospitals.

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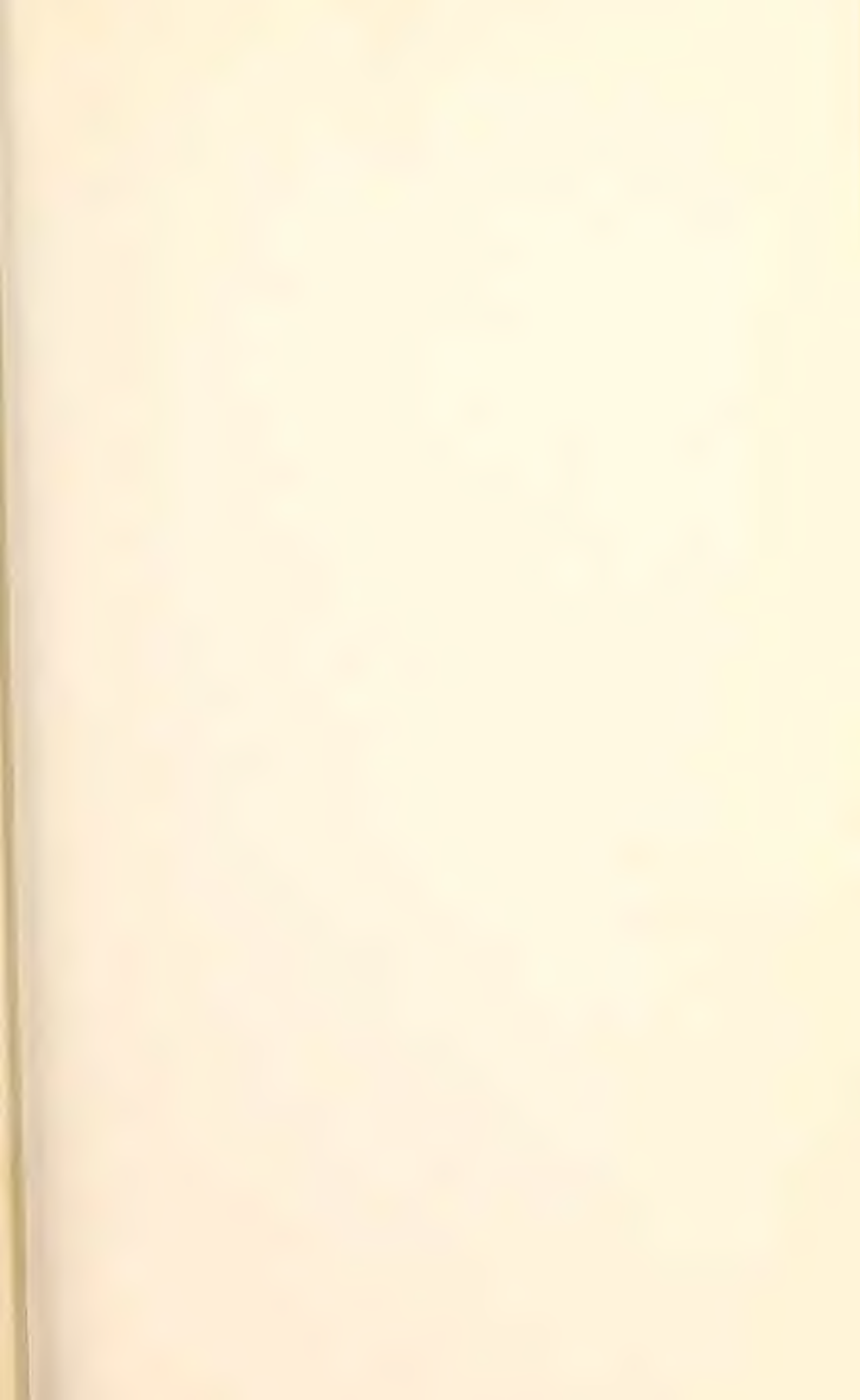
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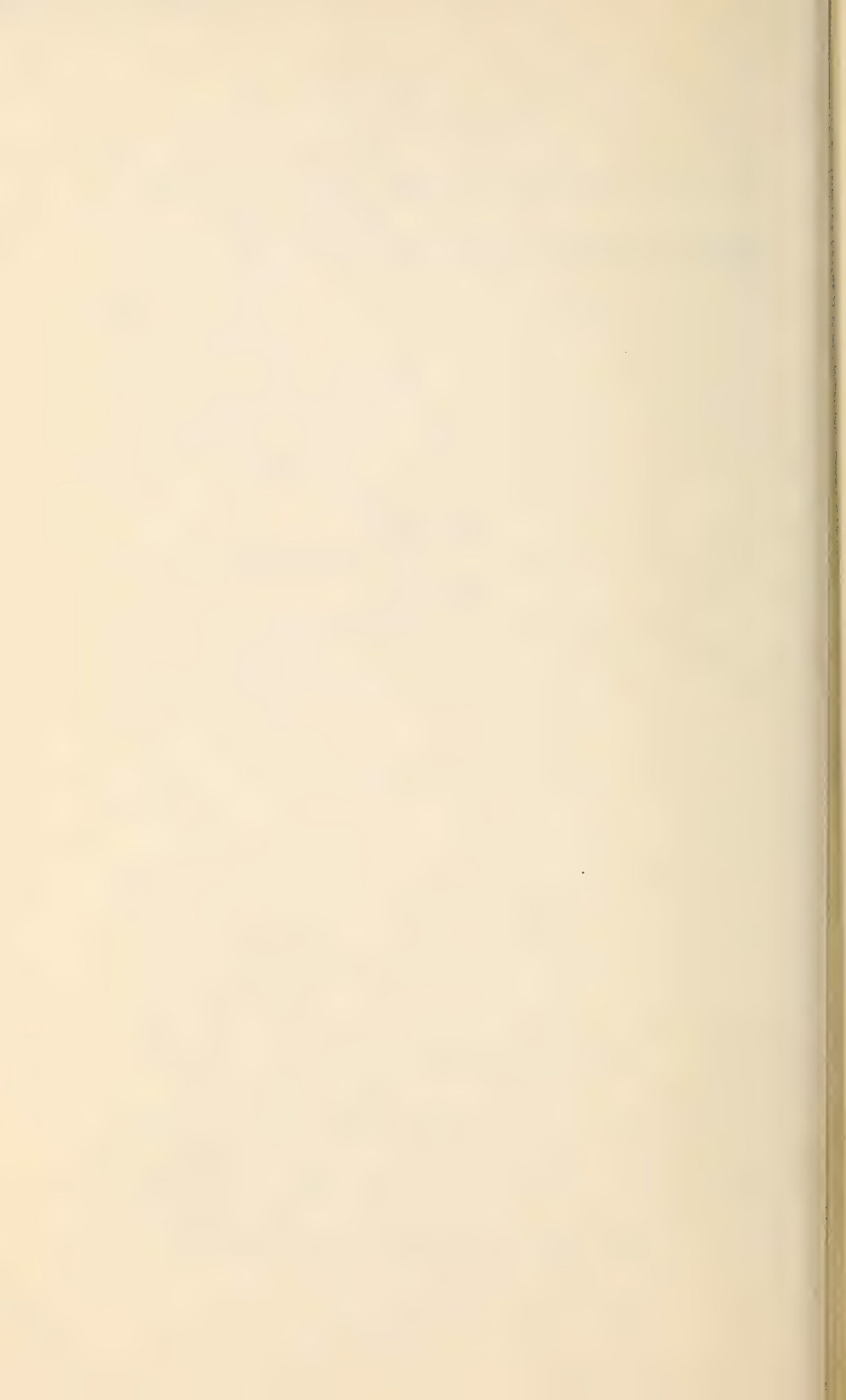
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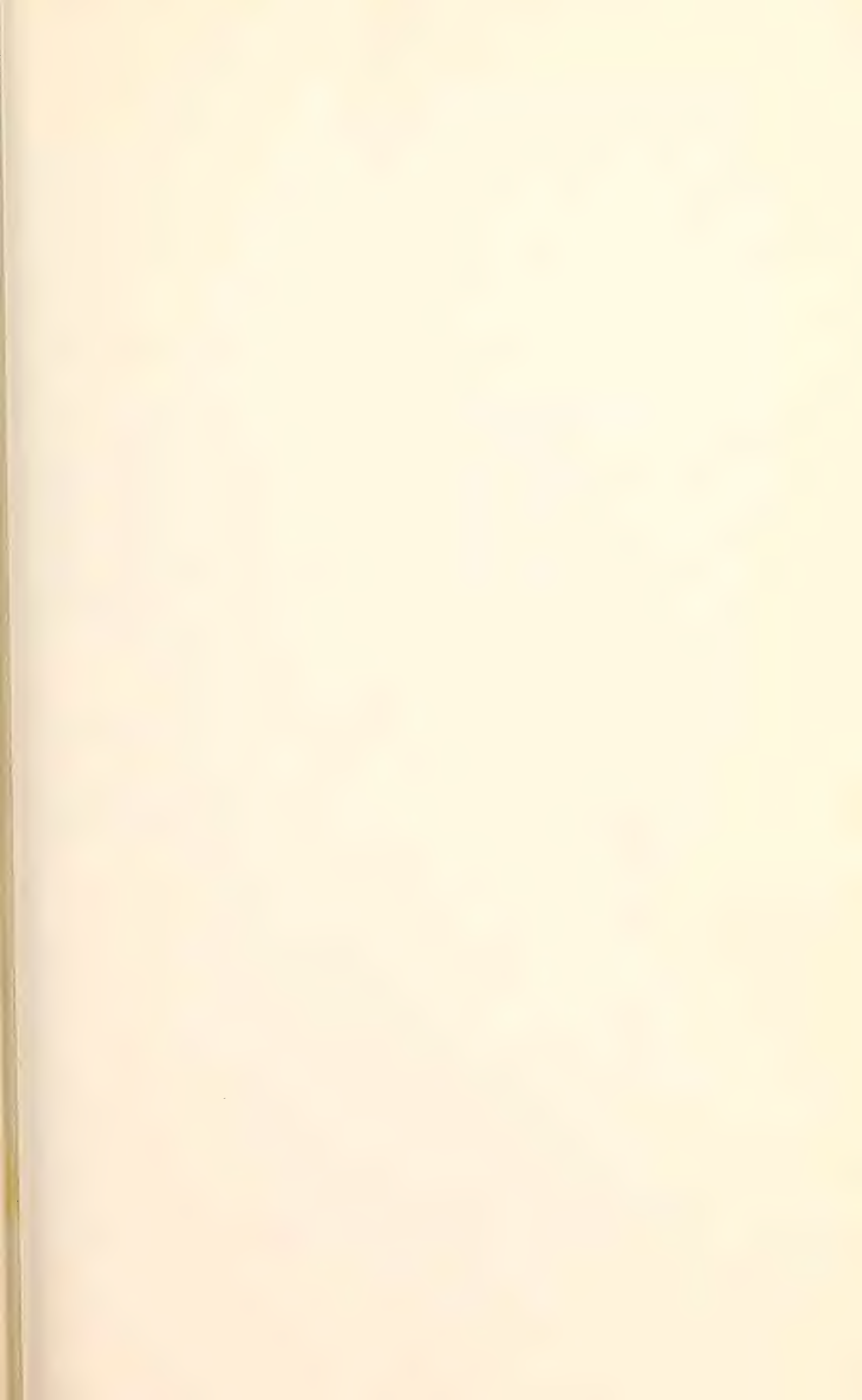
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EVELYN HOLT, M.D.
MICHAEL LAKE, M.D.
WINIFRED KIRK, M.D.
MALCOLM K. SMITH, M.D.

ARTURO MARTINEZ, M. D.
HAROLD STEWART BELCHER, M.D.
BENJAMIN H. ARCHER, M.D.
J. RANDOLPH QUINN, M.D.
LAILA COSTON CONNER, M.D.
LOUIS A. HAUSER, M.D.
EDMUND R. P. JANVRIN, M.D.
ANNA PLATT, M.D.
LEON I. LEVINE, M.D.
BERTON LATTIN, M.D.
HELEN GAVIN, M.D.
EPHRAIM SHORR, M.D.
WHEELAN D. SUTLIFF, M.D.
EDWARD TOLSTOI, M.D.

Department of Medicine, Gastro-Enterology.

Physicians

HAYNES HAROLD FELLOWS, M. D. (*In charge*)

SYDNEY WEINTRAUB, M.D.

Assistant Physicians

NANCY JENISON, M.D.
NATHANIEL B. STANTON, M.D.
MICHAEL LAKE, M.D.
JEANNETTE JENNISON, M.D.

DOUGLASS PALMER, M.D.
JOHN A. WILSON, M.D.
SYLVESTER E. RYAN, M.D.
JULIAN FRESTON, M.D.

HERMAN PHILLIP, M.D.

Department of Medicine (Diabetes).

Physician

HENRY JAMES SPENCER, M.D.

Department of Medicine (Arthritis).

Physician

RUSSELL L. CECIL, M.D.

Assistant Physician

BENJAMIN H. ARCHER, M.D.

Department of Medicine (Asthma).

Physician

HORACE S. BALDWIN, M.D.

Assistant Physicians

HAROLD S. BELCHER, M.D.
HARRY S. BERKOFF, M.D.
WHEELAN DWIGHT SUTLIFF, M.D.

CORNELL UNIVERSITY MEDICAL COLLEGE

Department of Medicine (Tuberculosis).

Physician

EDMUND R. P. JANVRIN, M.D.

Department of Medicine (Cardiac).

Physician

BERTON LATTIN, M.D.

Assistant Physician

ARTHUR M. MASTER, M.D.

Department of Medicine (Health).

Physician

HARRY H. HAMILTON, M.D.

Assistant Physician

ANNA M. RICHARDSON, M.D.

EMANUEL W. BILLARD, M.D.

WILLIAM B. BOYD, M.D.

HARRY S. BERKOFF, M.D.

GERTRUDE F. JONES, M.D.

Department of Medicine (Overweight).

Physician

HENRY JAMES SPENCER, M.D.

Department of Surgery.

Chief of Clinic

RUSSEL H. PATTERSON, M.D.

Surgeon

JOHN E. SUTTON, JR., M.D.

Assistant Surgeons

LEWIS C. WAGNER, M.D.

RALPH C. KAHLE, M.D.

Department of Pediatrics.

Chief of Clinic

PHILIP MOEN STIMSON, M.D.

Assistant Physicians

GEORGE C. LUDLOW, M.D.

HELEN HARRINGTON, M.D.

JOHN J. MCGLADE, M.D.

Department of Obstetrics and Gynecology.

Chief of Clinic

JOHN F. MCGRATH, M.D.

Surgeon

LYNN L. FULKERSON, M.D.

Assistant Surgeons

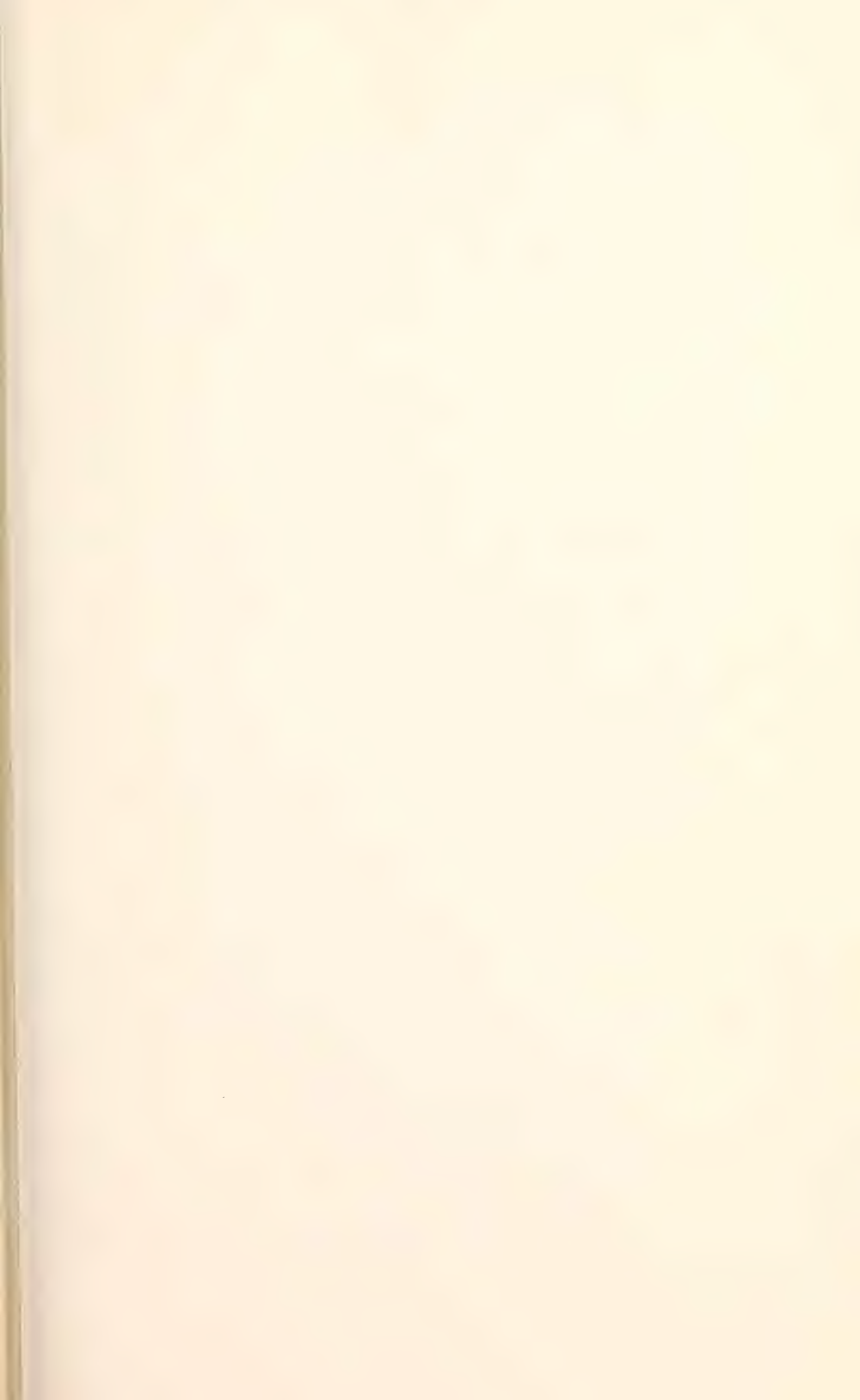
S. SCHMERZLER, M.D.

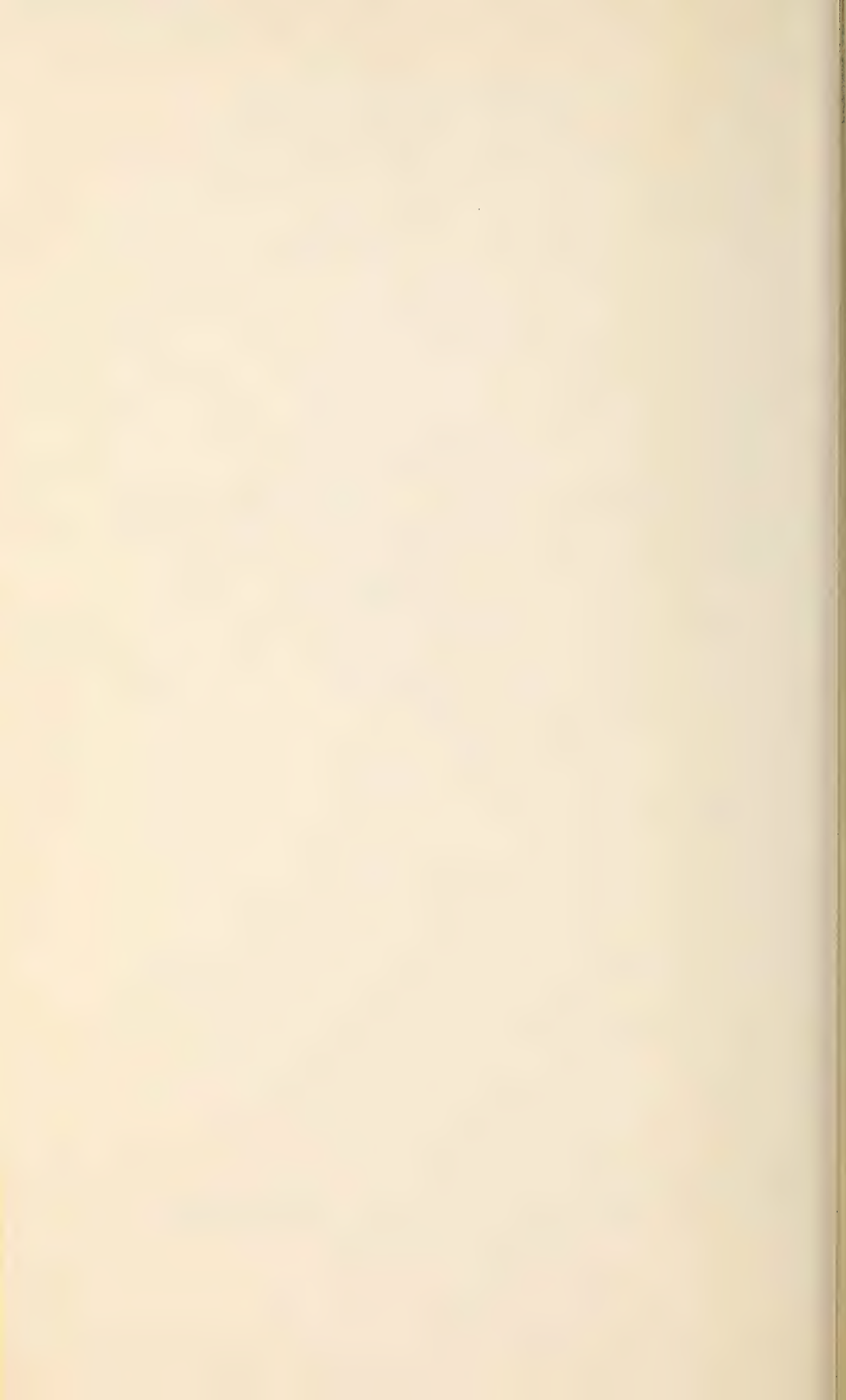
JAMES H. HEYL, M.D.

LOUIS P. BIRO, M.D.

THOMAS A. IOVINO, M.D.

ELEANOR J. MURPHY, M.D.





FACULTY OF MEDICINE

Department of Urology.

Chief of Clinic

WILLIAM A. WILSON, M.D.

Assistant Surgeons

MIGUEL ALVAREZ, M.D.

LISLE B. KINGERY, M.D.

LEO MARQUITH, M.D.

WENDELL J. WASHBURN, M.D.

LOUIS NEUWELT, M.D.

ROBERT F. ZELSS, M.D.

PAUL M. BUTTERFIELD, M.D.

THOMAS J. KIRWIN, M.D.

ROY B. HENLINE, M.D.

THOMAS P. BURRUS, M.D.

MICHELE IOVINE, M.D.

ALLISTER M. MCCLELLAN, M.D.

Department of Neurology.

Chief of Clinic

THOMAS K. DAVIS, M.D.

Physicians

LEWIS D. STEVENSON, M.D.

GEORGE H. HYSLOP, M.D.

WALTER M. KRAUS, M.D.

Assistant Physicians

THEODORE W. NEUMAN, M.D.

JOHN M. MCKINNEY, M.D.

HAROLD R. MERWARTH, M.D.

AARON BELL, M.D.

RHODA MURIEL IUIMEY, M.D.

Department of Neurology (Speech Clinic).

Assistant Physician

OLGA NEYMANN, D.D.S.

Department of Psychiatry.

Chief of Clinic

JOSEPH P. EIDSON, M.D.

Attending Physicians

ABRAHAM KARDINER, M.D.

LELAND E. HINSIE, M.D.

AUGUST EDWARD WITZEL, M.D.

Department of Dermatology.

Chief of Clinic

J. FRANK FRASER, M.D.

Physicians

RAY H. RULISON, M.D.

ARTHUR F. KRAETZER, M.D.

Assistant Physicians

ANDREW J. GILMOUR, M.D.

FRANCIS JOHN OSBORNE, M.D.

JOHN H. HARRIS, M.D.

JULIA V. LICHTENSTEIN, M.D.

Department of Otology.

Chief of Clinic

GEORGE B. McAULIFFE, M.D.

Surgeon

GERVAIS W. McAULIFFE, M.D.

EMMETT C. FITCH, M.D.

Assistant Surgeons

CARL FORNELL, M.D.

ANNE M. BELCHER, M.D.

EDWARD M. PULLEN, M.D.

CORNELL UNIVERSITY MEDICAL COLLEGE

Department of Laryngology and Rhinology.

Chief of Clinic

ARTHUR PALMER, M.D.

Surgeons

THOMAS A. MULCAHY, M.D.

WILLIAM J. JACKSON, M.D.

Assistant Surgeons

ANNE M. BELCHER, M.D.

EMMETT C. FITCH, M.D.

THOMAS J. GARRICK, M.D.

SAMUEL F. KELLY, M.D.

HERBERT GRAEBNER, M.D.

Department of Orthopedic Surgery.

Chief of Clinic

ARTHUR H. CILLEY, M.D.

Surgeon

JOHN S. WARE, M.D.

Department of Roentgenology.

Chief of Clinic

JOHN R. CARTY, M.D.

Surgeon

FRANCIS J. OSBORNE, M.D.

Department of Ophthalmology.

Chief of Clinic

BERNARD SAMUELS, M.D.

Surgeon

GEORGE W. VANDEGRIFT, M.D.

Assistant Surgeons

MILTON L. BERLINER, M.D.

EDWARD P. SHERMAN, M.D.

SAMUEL P. OAST, M.D.

EDWARD OVERTON, M.D.

Department of Dentistry.

Surgeon

LOUIS WACK, D.D.S.

Assistant Surgeon

MAX HALPERN, D.D.S.

Department of Drugs and Supplies.

Pharmacist

GUSTAVE T. RUCKERT, PH.G.

Assistant Pharmacist

CHARLES LENZ, PH.G.

GENERAL STATEMENT

GENERAL STATEMENT.

The Medical Department of Cornell University was made possible by the gift to the University of a commodious and fully equipped building designed for medical instruction, and by the bestowal of funds for the maintenance of a vigorous school of medicine.

The objects of this school are:

- (1) To develop physicians of the best type, and
- (2) To conduct researches into the nature and cure of disease.

The school offers educational and research facilities to all undergraduates and graduates in medicine who are properly qualified to benefit from these opportunities and who are in sympathy with these aims.

The Main College Building comprises a Medical School and Dispensary, with principal entrance on First Avenue, opposite Bellevue Hospital, and occupies the entire block between Twenty-seventh and Twenty-eighth Streets on First Avenue. The building is devoted to the Departments of Anatomy, Clinical Pathology, Chemistry, Pathology, Bacteriology, Physiology, Medicine and their laboratory equipment.

The Loomis Laboratory (founded 1886 by the same munificent hand) serves the purpose of undergraduate instruction, in connection with the laboratories in the College building. It has also been reorganized as a research laboratory, and special departments have been established in bacteriology, physiological chemistry, experimental medicine and pharmacology.

The Cornell University Medical College Clinic, located in the main College building, is fully equipped for purposes of instruction.

The attendance in the Clinic averages about 475 patients daily and annually includes about 18,000 new patients. The organization is such as to bring the Clinic into closest touch with the Laboratory and research facilities of the College.

The Department of Roentgenology as well as the Laboratory of Clinical Pathology, is in direct connection with the Clinic, and by co-operation and co-ordination of work their services are placed at the constant disposal of the various other departments of the Clinic for the diagnosis and investigation of disease and for purposes of instruction.

The Library is supplied with current periodicals in German, French and English, which include nearly all the more important journals in the field of medical science, and the back files of these periodicals are fairly complete. There is also a students' library of recent textbooks. Every effort is made to maintain a library commensurate with the needs of the College. A special reading room is provided for the convenience of students. A trained Librarian is in attendance to supply references and direct their work.

In addition to the College Library; students enjoy certain privileges at the Library of the New York Academy of Medicine, Fifth Avenue and 103d Street, the second largest medical library in the United States, and at the various public libraries of the city.

CORNELL UNIVERSITY MEDICAL COLLEGE

New York Hospital.—The Medical College, through the courtesy of the Governors of the New York Hospital, has long been accorded certain privileges for instruction in its wards; but on the first of January, 1913, a definite arrangement was established between Cornell University and the New York Hospital, through the donation to the hospital of a generous fund by Mr. George F. Baker, a Governor of the Hospital, upon the condition that thereafter the pathological and half the entire medical and surgical services of the institution should be definitely assigned to the Cornell University Medical College for the advancement of its teaching and research.

By this most advantageous arrangement the University nominates the Visiting Staff of its division and the Laboratory Staff and secures the admission of its students to the wards as clinical clerks, thereby enabling the College to make a definite provision in its course of instruction and research for work in the New York Hospital. Furthermore, the Laboratory Staffs of the different departments of the Medical College are placed at the service of the Hospital for the purpose of extending its scientific work.

The hospital service thus assigned to the College comprises 100 beds. This service is exceedingly active. It includes several thousand acute and emergency cases brought in annually from a large ambulance and dispensary district.

The medical staff of this hospital assigned to the Cornell University Medical College has been organized as outlined in the departmental announcements for medicine and surgery.

The Professors of Medicine and Surgery are directly responsible to the University for the conduct of the instruction in the New York Hospital.

Bellevue Hospital.—This hospital, located on First Avenue, directly opposite the Main College building, has 1,200 beds, and receives 24,000 patients annually.

The hospital is organized in four divisions, one of which has been placed by the Trustees of the hospital at the disposal of the Faculty of the Cornell University Medical College for medical instruction. The services thus intrusted to the College include, continuously, 90 medical beds, 90 surgical beds, 60 to Urology, a Neurological Service, and for one-half the year 54 obstetrical beds, together with equal privileges with the other three divisions, giving continuous opportunity for instruction and research in the additional wards devoted to the treatment of alcoholic diseases, tuberculosis and the psychopathic diseases. There are also available 60 beds for instruction in Gynecology by members of the staff assigned to this duty by the Cornell University Medical College.

The visiting staff of the Second, or Cornell Division is drawn entirely from the Faculty and instructors of the College, and by co-operation with the Medical Board of the Hospital this division has been organized with a view to the best interests of the patients, as well as with a view to furnishing adequate facilities for instruction. The students spend a considerable portion of the fourth year in this hospital as clinical or surgical "clerks," and during the preceding years frequent clinical instruction is conducted in its wards, as fully described under "Details of the Plan of Instruction."

GENERAL STATEMENT

While Bellevue Hospital is provided with an elaborate Department of Pathology of its own, the scope of the hospital work of the Cornell Division is broadened by the intimate relation existing between the laboratories of the Medical College and the medical service of the hospital. In addition to the staff provided by the hospital, the College maintains a corps of research workers and special assistants who conduct their routine examinations in extension laboratories equipped by the College in rooms adjacent to the wards of the hospital, and who consummate their major investigations in the more completely equipped laboratories of the College building.

The Professors of Medicine and Surgery are directly responsible to the University for the conduct of the instruction in Bellevue Hospital.

Memorial Hospital.—Through the generosity of the late Dr. James Douglas, who provided the Hospital an endowment for the study and treatment of cancer and allied diseases, the Memorial Hospital became affiliated in 1914 with Cornell University Medical College.

The conditions upon which this union was consummated place upon Cornell University Medical College the responsibility for the medical and surgical activities of the hospital, subject however, so far as administrative action is concerned, to the approval of its Board of Managers. Cornell University Medical College is required to approve the five medical members of the Board of Managers of the Memorial Hospital and to nominate their successors in case of vacancies, and to name the medical and surgical staff, subject to the approval of the Board of Managers of the Hospital.

In accordance with these conditions, and with the approval of the Board of Managers of the Hospital, the Medical Staff has been organized as follows:

JAMES EWING, M.D., *President of the Medical Board, Director of Cancer Research, Pathologist.*

WILLIAM B. COLEY, M.D., *Vice-President of the Medical Board, Professor of Cancer Research, Attending Surgeon.*

WILLIAM S. STONE, M.D., *Clinical Director.*

STANLEY R. BENEDICT, PH.D., *Director Department of Chemistry.*

BURTON J. LEE, M.D., *Attending Surgeon.*

BENJAMIN S. BARRINGER, M.D., *Attending Surgeon, Urological Department.*

DOUGLAS QUICK, M.D., *Attending Surgeon.*

WILLIAM P. HEALY, M.D., *Attending Gynecologist.*

RALPH E. HERENDEN, M.D., *Physician to Roentgen Ray Department.*

LYOYD F. CRAVER, M.D., *Attending Physician.*

FRANK E. ADAIR, M.D., *Associate Attending Surgeon.*

ARCHIE L. DEAN, JR., *Associate Attending Surgeon.*

NATHAN GREEN, M.D., *Assistant Surgeon.*

DAVID H. M. GILLESPIE, M.D., *Assistant Surgeon.*

BRADLEY L. COLEY, M.D., *Assistant Surgeon.*

SAMUEL C. JOHNSON, M.D., *Assistant Surgeon.*

JAMES P. DUFFY, M.D., *Assistant Surgeon.*

HAYES E. MARTIN, M.D., *Assistant Surgeon.*

CORNELL UNIVERSITY MEDICAL COLLEGE

GEORGE E. BINKLEY, M.D., *Assistant Surgeon.*
FRANK R. SMITH, M.D., *Assistant Gynecologist.*
BYRON STOOKEY, M.D., *Neurologist.*
H. KINGSLEY BLAKE, M.D., *Assistant Roentgenologist.*
GEORGE HALL HYSLOP, M.D., *Assistant Neurologist.*
GEORGE C. ANDREWS, *Dermatologist.*
THEODORE H. ALLEN, M.D., *Clinical Assistant.*
NORMAN E. TREVES, M.D., *Clinical Assistant.*
JOHN T. TOOLE, M.D., *Clinical Assistant.*
HARRY LANDESMAN, M.D., *Anaesthetist.*
GIOACCHINO FAILLA, E.E., D.Sc., *Physicist.*
EDITH H. QUIMBY, M.A., *Assistant Physicist.*
MAX CUTLER, M.D., *Assistant Pathologist.*
HELEN O. WOODWARD, Ph.D., *Chemist.*
KANEMATSU SEGUIRA, A.M., *Associate Chemist.*
ELISE S. L'ESPERANCE, M.D., *Serologist.*
JOHN C. TORREY, M.D., *Bacteriologist.*
HALSEY J. BAGG, Ph.D., *Biologist.*
ELIZABETH MALAUN, A.B., *Assistant in Biology.*
WARE CATTELL, A.B., *Assistant in Biology.*

The John E. Berwind Maternity Clinic.—An affiliation having been consummated between the John E. Berwind Maternity Clinic and Cornell University Medical College, the medical direction of the Clinic is placed under the control of Cornell. The medical staff including the resident and house staffs are appointed by the Clinic, only on nomination by the Medical College.

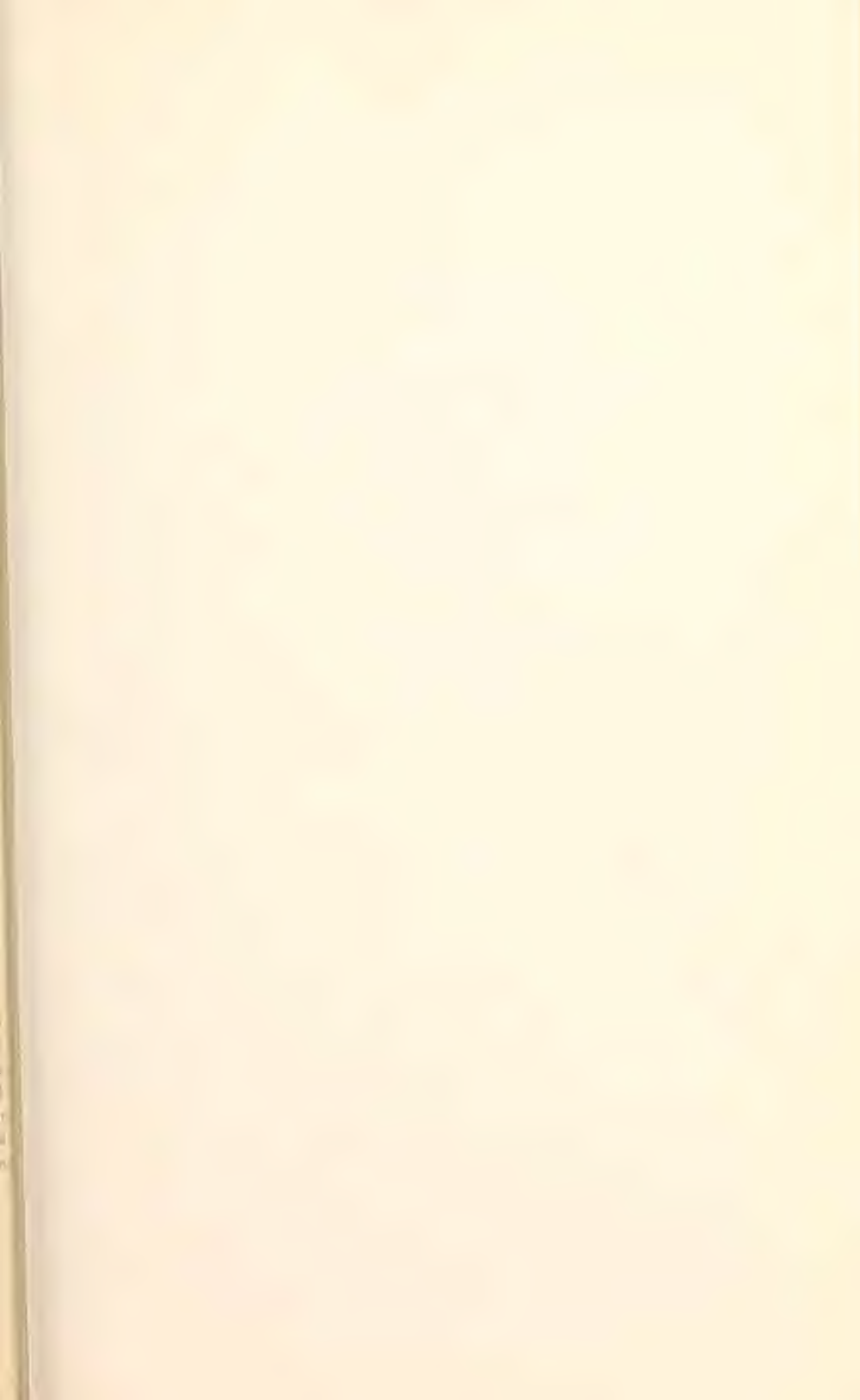
Cornell students are definitely assigned to the Clinic for practical instruction under the direction of the Professor of Obstetrics and Gynecology.

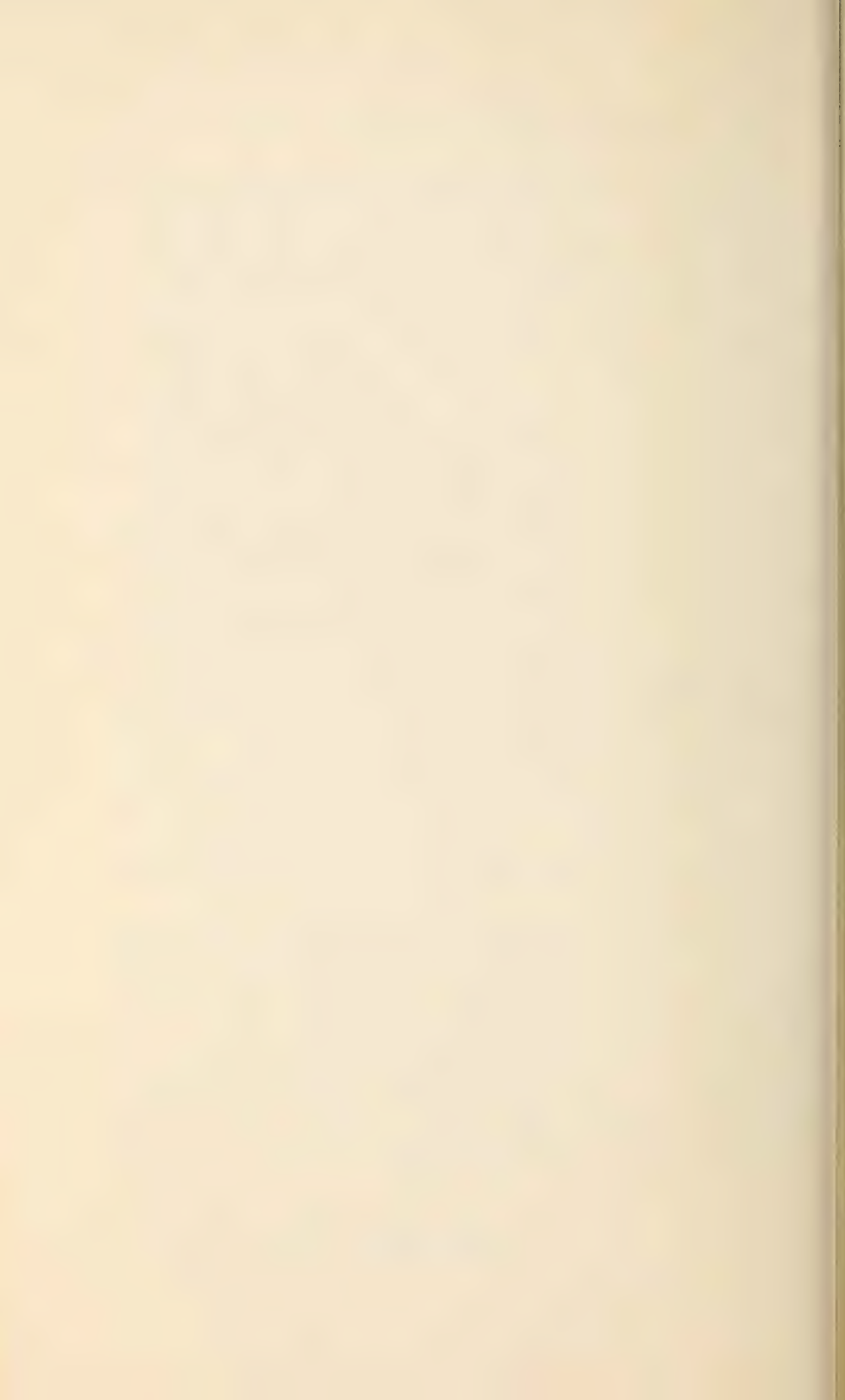
Cornell students having been provided for, vacancies in the student staff will be filled by appointment. Application for such assignments should be made to the Superintendent of the Clinic at 125 East 103rd Street, New York City.

The Russell Sage Institute of Pathology.—The Russell Sage Institute of Pathology has been affiliated with the Second Medical (Cornell) Division of Bellevue Hospital since 1913. Endowed by Mrs. Russell Sage in 1907, it has provided funds for research work in pathology and medicine. Laboratory space has been generously given by the trustees of Bellevue Hospital and clinical facilities have been furnished by the Cornell Medical Division. The Institute has constructed and equipped a respiration calorimeter and has maintained a metabolism ward adjacent to the general wards of the division. The research workers have been members of the hospital staff and have assisted in the care of patients and the instruction of students. The metabolism ward, chemical laboratories and calorimeter furnish unusual facilities for teaching the diseases of metabolism.

The staff is as follows:

GRAHAM LUSK, Ph.D., *Scientific Director.*
EUGENE F. DU BOIS, M.D., *Medical Director.*





GENERAL STATEMENT

HENRY B. RICHARDSON, M.D., *Research Fellow.*

R. R. HANNON, M.D., *Research Fellow.*

EPHRAIM SHORR, M.D., *Research Fellow.*

S. F. SODERSTROM, *Calorimeter Technician.*

MARJORIE LE MOINE, R.N., *Head Nurse.*

The New York Nursery and Child's Hospital.—By courtesy of the Trustees of this Hospital, Cornell Students are there instructed in Pediatrics. The Hospital offers splendid opportunities for the study of infants and children.

There are seventy two beds on the Pediatric service, and in addition there is in the same building an active maternity service.

The out patient department has an average yearly attendance of 8,000 infants and children, with special classes in Feeding; Malnutrition; Syphilis; Eczema and Cardiac diseases. Both the indoor and outdoor services are utilized for teaching purposes. The members of the teaching staff have official connection with the hospital.

The Neurological Institute.—By courtesy of the Neurological Institute section work in Nervous Diseases is offered to third and fourth year students in the wards and Out-Patient Department of this hospital, the students being assigned for ward work in small sections during the fourth year. The Neurological Institute is a hospital of considerable size, devoted to the care of nervous diseases and possessing a complete equipment for neurological examinations, diagnosis and treatment.

Psychiatric Institute, Ward's Island.—The Professor of Psychiatry is Director of the Psychiatric Institute, which is the teaching and research center for the entire New York State Hospital system. The lecture rooms, pathological material and clinical facilities of the Institute are available for the teaching of medical students.

Manhattan State Hospital, Ward's Island.—This hospital for the care and treatment of mental diseases, accommodates over 5,000 patients. Through the courtesy of the Superintendent the Professor of Psychiatry is enabled to utilize this clinical material for bedside study of patients and practical exercises and demonstrations conducted in the wards of the hospitals.

Other Hospitals.—In addition to the above, members of the Faculty of Cornell University Medical College hold appointments in various hospitals and dispensaries of the city, and are thus enabled to utilize for teaching purposes a great quantity and variety of clinical material. This is used from time to time as necessity or opportunity arises. The major part of the bedside and clinical instruction is, however, purposely conducted in Bellevue Hospital, which is directly opposite the College, and in New York Hospital, which is conveniently located on Fifteenth Street, and may be reached in fifteen to twenty minutes.

CORNELL UNIVERSITY MEDICAL COLLEGE

REQUIREMENTS FOR ADMISSION.

The Faculty of the Cornell University Medical College are of the opinion that candidates for admission to the medical profession should possess the liberal culture and general education implied by a college degree in Arts or Science. Since 1907 a standard of admission which requires the baccalaureate degree or its equivalent has been rigidly maintained. Without attempting to enter into a discussion of the relative advantages of the courses in Science or Arts, the President and Trustees of Cornell University adopted the requirements advised by the Faculty of the Medical College for admission to the course leading to the degree of M.D. and *only the following classes of candidates are admitted to the Cornell University Medical College.*

I. Graduates of approved colleges or scientific schools; or—

II. Seniors in good standing in approved colleges or scientific schools upon condition that their faculty will permit them to substitute the first year in the Cornell University Medical College for the fourth year of their college course, and will confer upon them the bachelor's degree* upon the satisfactory completion of the year's work; or—

III. Persons who give evidence by examinations that they have acquired an equivalent education to that signified by a bachelor's degree, and training sufficient to enable them to profit by the instruction offered in the Medical College.

All Candidates for Admission, whether of group I, II, or III, shall have satisfactorily completed in an approved college, at least the following minimum in—

1. Physics, 8 semester hours, including laboratory.
2. Chemistry, 12 semester hours (8 hours of inorganic, including both qualitative and quantitative analysis and 4 hours of organic chemistry). The course should have included at least fifty hours of didactic work not less than eighty hours of laboratory work in inorganic chemistry; and at least 70 hours each of laboratory work in *qualitative* and in *quantitative analysis*. In addition, the candidate shall have satisfactorily completed courses in at least 36 hours of didactic and 80 hours of laboratory work in *organic chemistry*.
3. Biology (Zoology), 6 semester hours, including laboratory work.

Note.—In addition to this minimum requirement, a course in General Histology with Embryology including the early development of the frog and chick is very desirable. Courses in the Comparative Anatomy of Vertebrates and Elementary Histological Technique are also recommended.

4. English, 6 semester hours.
5. Modern language, 6 semester hours—French, German, Italian or Spanish.
6. Two additional semester hours of college credit will be required in each of the three subjects, Biology, English and Modern language, in which no introductory high school course was offered for admission to college.

*No student under the clause is permitted to enter the second year of the medical curriculum without the bachelor's degree obtained after at least three years of undergraduate college work. Clause II is intended to provide for those students who by specially directed or by specially proficient work accomplish the essential requirements for a B.S. or B.A. degree during three years of College residence.

REQUIREMENTS FOR ADMISSION

7. All applicants residing within 50 miles of New York City are required to present themselves *in person by appointment* at the office of the Secretary; their credentials should have been previously submitted. All applicants must submit with their application a recent photograph.

IV. All students entering Cornell University Medical College are required to provide themselves with a satisfactory microscope.

V. Not more than seventy-five students will be admitted to the first year in Medicine; approved applicants for advanced standing will be admitted to subsequent years only when the number registered falls below sixty. Not more than sixty students will be registered in each of the second, third and fourth year classes.

VI. The number of students in this Medical College having been limited that its advantages may be equalized to all parts of the state and country, not more than five students from any one college will be admitted to the first year class.

The Trustees felt that it was unfair to refuse the exceptional student of unusual abilities who has obtained independently an education equivalent to that implied by a degree from a college or scientific school, and there will therefore be examiners appointed from the faculties in the different colleges of Cornell University to determine the qualifications of such as may apply for admission under Rule III of these requirements. The committee in charge of the administration of this rule consists of the President of the University and the Deans of the Faculties of Arts and Sciences and of Medicine. The only instance of admission under Rule III yet encountered involved a graduate of a foreign institution of collegiate rank which grants no degrees.

APPLICATIONS FOR ADMISSION

All applications and communications are to be addressed to the Secretary of the Medical College from whom blank forms of application for admission may be obtained.

Prospective students will find it to their advantage to file their application early. The number of admissions being limited, to insure favorable consideration, *applications for admission to the first year should be received not later than March 1st*, and should in all cases be accompanied by a transcript of the college record to date. The required letters of recommendation from two science professors under whom the student has recently worked should be forwarded at the same time. A photograph must accompany the application.

Inasmuch as all students of medicine in New York State are required by law to have previously had an adequate preliminary education, and as this preliminary education must be certified as sufficient by the State Educational Department, it is advisable that applicants for admission send their credentials to the Secretary of the Medical College in properly attested form as promptly as possible, that the secretary may then obtain the requisite "medical student's certificate" from the State authorities.

CORNELL UNIVERSITY MEDICAL COLLEGE

ADMISSION TO ADVANCED STANDING

Applicants for advanced standing must have met in full the requirements for admission (page 28), and must have already attended the legally required number of sessions in an approved regular medical college. Whenever vacancies arise* applicants thus qualified may be admitted to the Cornell University Medical College under the following conditions:

1. A properly attested certificate of actual attendance at a registered Medical College for the full number of years of medical study for which time credit is asked must be presented and approved.

2. A certificate showing that the student has satisfactorily completed in an approved medical college the work of all required subjects of the years for which Cornell credit is asked must be presented and approved.

3. Subject credit may be granted on presentation and approval by the heads of departments of properly attested certificates stating the courses already completed in an approved medical college with the number of hours, didactic and laboratory, devoted thereto, together with the name of the instructor.

4. In the absence of approval of the certificate called for in the preceding paragraph (number 3) subject credit for advanced standing will be granted only by examination in all of the subjects previously pursued by the class to which admission is desired. For a list of the subjects for examination see page 84.

Examinations for admission to advanced standing are conducted by heads of departments and may be taken with the class at the end of the session in June or prior to the opening of the session in September. For dates of examinations, see calendar, page 5.

ADMISSION TO COURSES FOR GRADUATES

Graduates in medicine, or students who desire to pursue a special course without graduation, are admitted to registration as special students, after approval by the head of the department conducting the course. Such special courses do not count in any way as part of the four years' course required of candidates for the degree of doctor in medicine. The courses offered to graduates are outlined on pages 89 to 92. Further information regarding such courses, fees, etc., may be obtained by addressing the Secretary of the Cornell University Medical College, 477 First Avenue, New York City.

REQUIREMENTS FOR LICENSE TO PRACTICE MEDICINE IN THE STATE OF NEW YORK

Graduates of Cornell University are admitted unconditionally to the examinations for license to practice medicine in the State of New York as well as all other states. Further information as to the nature of the requirements of the

*The three upper classes are limited to sixty students each. See Rule V, page 29.

REQUIREMENTS FOR ADMISSION

New York State law regulating the practice of medicine may be obtained by consulting the handbook issued for gratuitous distribution by the New York State Education Department at Albany, N. Y.

All requirements for admission to examinations for license should be filed with the State Education Department at least one week before examination.

Examinations for license to practice medicine in this State will be held as follows:

1927	1928	1929	1930
Jan. 24-27	Jan. 23-26	Jan. 28-31	Jan. 27-30
June 27-30	June 25-28	June 24-27	June 23-26
Sept. 19-22	Sept. 17-20	Sept. 23-26	Sept. 15-18

Places

New York, Albany, Syracuse, Buffalo.

NATIONAL BOARD OF MEDICAL EXAMINERS

Graduates of the Cornell University Medical College are admitted to the examinations of this Federal Board, whose certificates are accepted by the Surgeons-General of the Army, Navy and Marine Corps of the United States and by the Boards of Medical Licensure of many States. The dates and places of examination will be announced as promulgated by the Board. In 1927 examinations will be held Feb. 9-11, June 15-17 and Sept. 14-16.

CHARGES FOR INSTRUCTION

First Year

Matriculation	\$10.00
Tuition	500.00
	—————\$510.00*

Second Year

Tuition	500.00
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Third Year

Tuition	500.00
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Fourth Year

Tuition	500.00
Final Examination Fee	25.00
Practical Obstetrics†	10.00
	—————\$535.00

*An advance payment of \$100.00 on account of tuition is required on acceptance of an application for admission, and is not returnable.

The matriculation fee is payable only once, on entrance.

The final examination fee is payable on registering for graduation. All other fees are payable at the beginning of the term, but in special cases the tuition fee may be paid semi-annually in advance. Owing to the limitation in size of the classes, no refund nor rebate will be made in any case.

†A fee of \$10.00 is required in the fourth year, to be paid to The John E. Berwind Free Maternity Clinic for the course in Practical Obstetrics.

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Each student is required to pay the clerk of the College the following amounts to cover breakage in the Laboratories and Dispensary departments:

1st year, Laboratory and Clinic	\$10.00
2d year, Laboratory and Clinic	10.00
3d year, Laboratory and Clinic	10.00
4th year, Laboratory and Hospital	10.00

These deposits, less the amount charged for breakage, will be returned at the end of each year.

All fees for instruction are paid to the Treasurer's Office of the Medical College.

Tickets must be taken out and paid for at the beginning of the session.

For Fees of Special Students see pages 90 to 92.

For Fees to Graduate Students see page 93.

LOCATION AND MODE OF ACCESS

The main building of Cornell University Medical College is located on First Avenue between 27th and 28th Streets.

The crosstown cars on Twenty-third and Thirty-fourth Streets, at First Avenue, pass within five blocks of the College buildings. Convenient stations of the subway lines are located at Twenty-eighth Street and Fourth Avenue, at Twenty-eighth Street and Broadway, and Twenty-eighth Street and Seventh Avenue. The nearest stations of the Interborough Elevated Railway are at Twenty-eighth Street on the Third and Sixth Avenues lines and at Twenty-third Street on the Second Avenue line. The Hudson Tubes station is at Twenty-eighth Street and Sixth Avenue.



GENERAL STATEMENT OF THE PLAN OF INSTRUCTION.

The function of a Medical Department in a University is primarily to produce practitioners of medicine of the highest possible efficiency. The school must include among its students not only those whose life is to be spent in the treatment of disease, but those who intend to become teachers of medicine or of the branches of natural science upon which medicine depends, as well as those who devote their energies to advancing these sciences by research and to work connected with the public service. The Medical Department of the University has therefore developed into a school whose students are to be prepared to become practitioners of medicine and surgery, teachers of these subjects and their subsidiary branches, and investigators of biological problems which pertain to human disease and "preventive medicine." To reach this ideal, and to relieve the Medical Department from instruction in subjects which belong to natural science in general and not strictly to the medical curriculum, it is necessary that the students should have received the best possible preliminary education which must include the mental training implied by the *baccalaureate degree*.

In arranging the course of study the subjects pertaining to pure, rather than applied, science are grouped in the first year of the medical course, those of the applied science in the early part of the second year, and the so-called clinical subjects in the second, third and fourth years.

The fourth year of the medical curriculum is devoted largely to clinical instruction in the various aspects of medicine and surgery, with bedside instruction and ample opportunity for the careful study of cases by continuous service in the hospital wards. Some opportunity for elective courses is allowed, but all students must take at least the minimum amount of the subjects which form the basis of the general practitioner's usefulness, and all are thus necessarily prepared for successfully undergoing the usual competition for appointments as hospital internes, positions in the public service of the State and Nation, and examinations for licensures by the States.

Any student of exceptional fitness, however, after having completed the first three years' work and who then desires to devote the major part of his time to one or more of the laboratory departments may do so during the fourth year. Such an arrangement can be made only with the approval of the Dean and the heads of the departments concerned. The departments in which the student is engaged shall then determine whether his work has given such satisfaction as would warrant the degree at the end of the year.

Custom and experience are in favor of a long summer vacation, and the utilization of the cool months alone for teaching. The Faculty have therefore decided on a period of thirty-two actual working weeks exclusive of the time occupied by holidays and examinations. This working period is

CORNELL UNIVERSITY MEDICAL COLLEGE

divided into three terms the first of twelve, the second of ten, and the third of eleven weeks. By this arrangement it is possible to obtain a certain degree of "concentration" in the teaching of those subjects in which that plan is advantageous, and it is thus also possible to maintain a proper sequence in the curriculum.

The extensive opportunity for continuous ward work afforded by the curriculum of the third and fourth years in no wise replaces the valuable work afforded by hospital internship, but is in a way preparatory thereto. Every graduate of this medical school is expected to pursue the usual interne service in some hospital, our graduates having little or no difficulty in obtaining the best positions under competitive examinations in addition to those appointments directly and indirectly controlled by this College. Without prolonged hospital training no physician should attempt to practice nor to teach; and no specialist can be worthy of the name who has not had the broad foundation insured by such a service.

For details of the course see Departmental Announcements, which follow, and the scheduled curriculum, pages 74 to 83.

DETAILS OF THE PLAN OF INSTRUCTION

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THE DEPARTMENT OF ANATOMY.

CHARLES R. STOCKARD, M.S., Ph.D., M.D., Sc.D., *Professor of Anatomy.*

CHARLES V. MORRILL, A.M., Ph.D., *Associate Professor of Anatomy.*

ROBERT CHAMBERS, JR., A.M., Ph.D., *Professor of Microscopic Anatomy.*

GEORGE PAPANICOLAOU, Ph.D., M.D., *Assistant Professor of Anatomy.*

JOSE F. NONIDEZ, Sc.D., *Associate in Anatomy.*

PAUL REZNIKOFF, B.S., M.D., *Associate in Anatomy.*

HALSEY J. BAGG, Ph.D., *Associate in Anatomy.*

LOUIS HAUSMAN, A.B., M.D., *Associate in Neuro-Anatomy.*

WILLIAM L. SNEED, M.D., *Instructor in Applied Anatomy.*

PHILIP B. ARMSTRONG, B.S., M.D., *Instructor in Anatomy.*

C. MALCOLM GILMAN, A.B., *Assistant in Anatomy.*

EMILIA M. VICARI, A.M., *Research Assistant in Anatomy.*

I. Morphology.

Structure of Man.—This course considers the structure of the various organs and systems of the human body in the light of their variations and evolutions. The relationship of the parts of the organs and systems are also explained by numerous facts gathered from experimental morphological studies on lower vertebrates.

The chief aim is to instill into the student the idea that animal structures are constantly changing and varying, yet are so definite as to lend themselves to logical analysis.

Laboratory, 40 hours (elective), and demonstration conferences, 22 hours (optional).

Text-books.—Wiedersheim's *Comparative Anatomy* and *Bau des Menschen*, Wilder's *History of Man*, together with special works and monographs on the subject.

Professor Stockard.

II. Embryology and Histology.

The work in *embryology* presupposes a general knowledge of the subject, particularly that of the early development of the chick. It embraces a thorough study of the development of the mammalian embryo in the light of our knowledge of the evolution of the human body. Malformations resulting from developmental disturbances are broadly considered. A feature of the course is the close correlation with the course in *gross anatomy*.

The work in *histology* includes the histogenesis and microscopic structure of all of the organs of the human body with the exception of the central nervous system (see *neuro-anatomy*). Emphasis is laid on the relation of structure to function.

The tissues are studied principally by means of stained sections and tests are given for a rapid identification of their diagnostic features. Demonstrations of living material are made and opportunities are offered for acquiring the essentials of histological technique.

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A part of the course is devoted to seminars on current literature.

Laboratory course and lectures—258 hours, October to March. Required of all first year students.

Text-books.—Patten, *Embryology of the Pig*; Lewis, *Text-book of Histology*; Keith, *Human Embryology and Morphology*; Schäfer, *Microscopic Anatomy*; scientific journals.

Professor Chambers, Dr. Nonidez and assistants.

III. Neuro-Anatomy.

A laboratory course on the gross and microscopic anatomy of the human central nervous system. Especial emphasis is laid on the more important pathways and their functions.

Laboratory and demonstrations, 88 hours. Required of all first year students during the third term.

Text-books.—Ransom, *Anatomy of the Nervous System*; Villiger's *Brain and Spinal Cord*; Herrick's *Introduction to Neurology* and any of the text-books of anatomy used in Course IV.

Associate Professor Morrill and Drs. Nonidez and Hausman.

IV. Gross Anatomy of the Human Body.

This is taught by means of laboratory exercises and dissections held in the dissecting room at stated hours.

The following are the courses required:

COURSE I. THE UPPER EXTREMITY.

COURSE II. THE HEAD AND NECK.

COURSE III. THE LOWER EXTREMITY.

COURSE IV. THE THORAX.

COURSE V. THE ABDOMEN AND PELVIS.

The required work in each of the above courses includes:

(a) Dissection of the part.

(b) Demonstrations, study, and discussion upon dissected and prepared specimens, and from standard text-books.

(c) An oral examination at the completion of each course.

Total laboratory hours, 350 (minimum.) First and second terms of the first year.

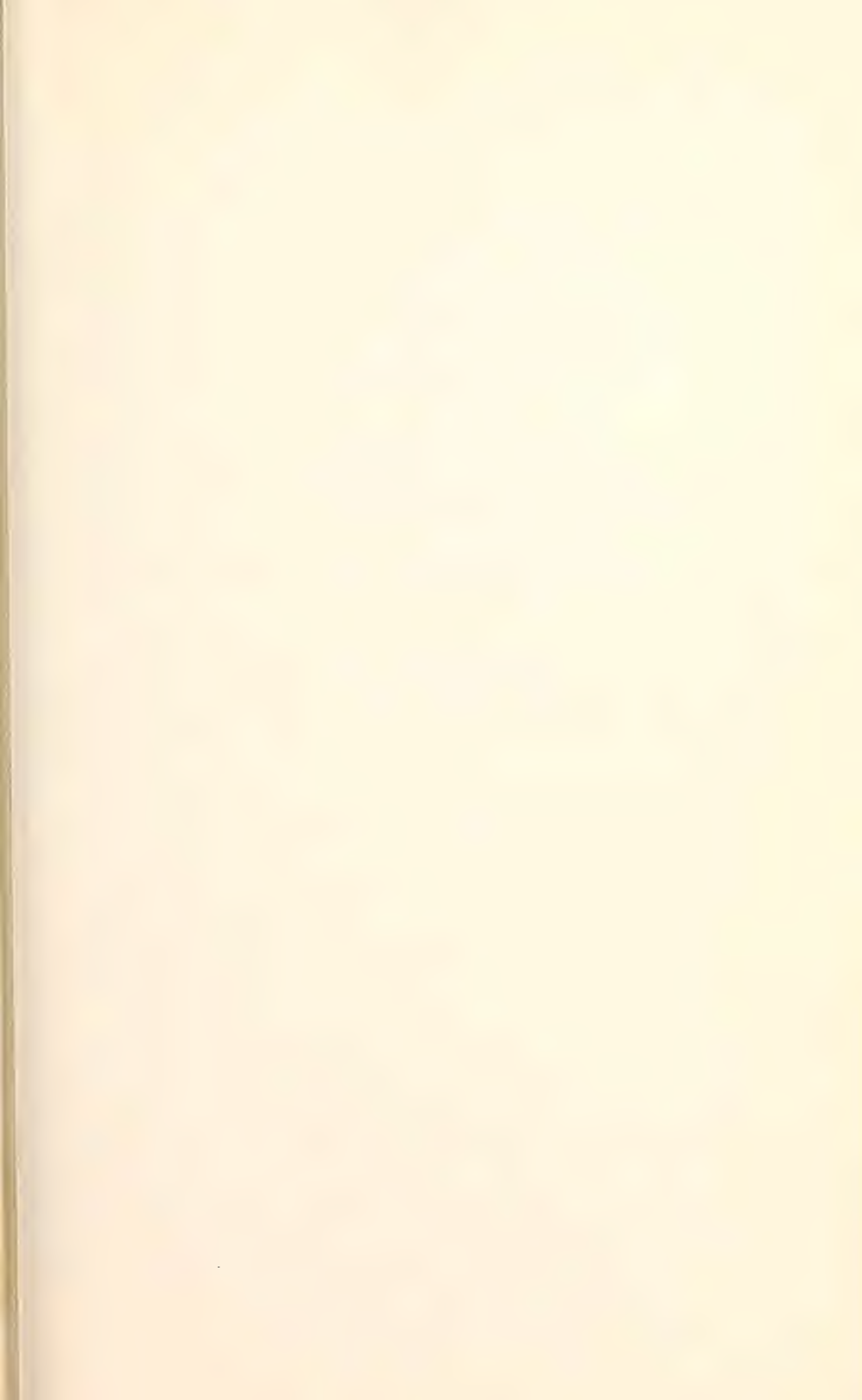
COURSE VI. A DEMONSTRATION COURSE. Optional for the first-year students. Demonstrations upon the cadaver, models and dissected preparations amplifying the courses in dissection during the first and second terms of the first year.

COURSE VII. STUDY ROOM COURSE IN LIVE ANATOMY.

Since the ultimate aim of dissection is to acquaint the student not merely with the arrangement of structures in the cadaver, but with the facts of the living body, this course follows as a natural sequence to the work of the dissecting room. Optional to first-year students.

COURSE VIII. DISSECTION REVIEW.

The work covers a repetition of Courses I-V, giving an opportunity for advanced dissection. Optional to students of the second, third or fourth year. Afternoons.





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COURSE IX. TOPOGRAPHICAL ANATOMY.—A study of the relations and topography of the parts of the body by means of frozen sections. Cleared preparations and living models are also used. Members of the class must submit a number of drawings made from the sections.

Laboratory, 36 hours. Required during the first term of second year.

Text-books.—Cunningham's *Manual of Practical Anatomy*, two vols.; Cunningham's *Text-book of Anatomy*; Spalteholz's *Atlas of Human Anatomy*; Morris' *Human Anatomy*; Gray's *Anatomy*; Piersol's *Human Anatomy*.

Professors Stockard, Morrill and assistants.

V. Applied Anatomy.

This course is given during the second term of the third year. It is conducted as a laboratory exercise and aims to demonstrate the important facts or regional and topographical anatomy as applied to the practice of medicine and surgery.

Laboratory, 60 hours (optional).

Text-books.—Woolsey's *Applied Surgical Anatomy*; Davis' *Applied Anatomy*.

Dr. Sneed and assistants.

VI. Elective Courses Preparatory to the Specialties.

Optional for students of the third and fourth years. These courses offer a thorough review of the embryology, histology and gross anatomy of the following organs and systems:

(a) The eye.

(b) The ear.

(c) The face and neck, including especially the nose and accessory sinuses, the mouth and salivary glands, pharynx and larynx, thyroid and parathyroid glands.

(d) The genito-urinary system, male and female.

(e) The brain and spinal cord.

(f) The thorax and abdomen.

(g) The extremities, especially the joints and their mechanics.

Laboratory, 40 hours. Professor Stockard and instructors.

VII. Elective Courses for Advanced Students.

COURSE I. GENERAL HISTOLOGY.—This course will comprise a study of the various types of tissues which form the several organs of the vertebrate body. The structures will be studied not only from the mere morphological standpoint, but the various biological problems involved will be taken into consideration. The close relationship between structure and function will be elucidated.

Twenty lectures, March to June.

Registration not later than January. Professor Chambers.

COURSE II. THE ANATOMY OF THE INFANT.—A course of lectures amplified by demonstrations and the study of preparations.

Twenty lectures arranged for in advance. Professor Stockard.

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COURSE III. DEVELOPMENT ARRESTS AND STRUCTURAL DEFICIENCIES.—A discussion of the imperfections in development which may occur during various periods from the maturation of the germ cells, fertilization of the egg on through embryonic and fetal development.

Fifteen lectures. Professor Stockard.

COURSE IV. EXPERIMENTAL EMBRYOLOGY.—These lectures begin with the history of the subject and the various aspects of the problems concerned. The experimental analysis of embryological processes is then considered from the several points of view.

Twenty lectures with conferences considering the recent literature of the subject. March to June. Professor Stockard.

COURSE V. REGIONAL ANATOMY.—This course will comprise a thorough review by means of dissections, demonstrations and reading of the gross anatomy, histology and development of selected regions of the body and of organs and organ systems.

Laboratory and demonstration, 3 half days a week for one month, April or May.

Associate Professor Morrill and assistants.

COURSE VI. APPLIED ANATOMY.—With special emphasis on fractures, dislocations, and injuries to the spine and extremities. The course will include eight conferences on Tuesdays and Thursdays from three until five P. M. beginning the first Tuesday in April.

Dr. Sneed.

COURSE VII. FOURTH-YEAR ELECTIVES.—The Department of Anatomy will arrange a schedule of work to fit individual cases for a limited number of *fourth-year students* desiring to devote the major part or all of their elective time. Such work will be designed, in cases where sufficient time is available, to equip the student to become a laboratory assistant.

VIII. Anatomical Research,

To students desiring to pursue research in anatomical subjects the equipment of the entire department is available. Members of the staff will gladly assign subjects and direct the progress of advanced work of this type. The work may be elected by students who enter with advanced credits, or by any student who has completed the preliminary courses in descriptive anatomy, histology and embryology. The course is also open to graduates in medicine or biology.

SUMMARY.

	<i>First Year.</i>	<i>Second Year.</i>
Morphology* .....	.....	.....
Embryology and Histology..	258 hours	.....
Gross Anatomy	350 hours	.....
Topographical Anatomy	36 hours
Neuro-Anatomy	88 hours
Applied Anatomy*

*Optional.

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PHYSIOLOGY.

GRAHAM LUSK, Ph.D., *Professor of Physiology.*

DAYTON J. EDWARDS, Ph.D., *Associate Professor of Physiology.*

HARRY J. DEUEL, JR., Ph.D., *Instructor in Physiology.*

McKEEN CATTELL, M.D., *Instructor in Physiology.*

HARRY E. C. WILSON, M.D., *Research Fellow, Rockefeller Board of Medical Education.*

First Year.—Nervous System and Respiration.

Lectures, laboratory, recitations and a weekly seminar. Physiology of the muscle and nerve, the central nervous system, the special senses and respiration.

Second Year. Physiology and Nutrition.

Lectures, laboratory, recitations and seminar. Circulation, secretion, digestion, internal secretions and metabolism.

SUMMARY.

	<i>First Year.</i>	<i>Second Year.</i>
Lectures	44 hours	45 hours
Recitations	22 hours	18 hours
Seminary .....	.....	9 hours
Laboratory	99 hours	81 hours

Text-books.—Starling's, Howell's or Macleod's *Physiology*; Lusk, *Science of Nutrition*; Wiggers, *Circulation in Health and Disease*; Collateral Reading, Scientific Journals.

CHEMISTRY.

STANLEY R. BENEDICT, Ph.D., *Professor of Chemistry.*

HUGH E. MORROW, A.B., *Instructor in Chemistry.*

EMIL OSTERBERG, *Instructor in Chemistry.*

NATHAN F. BLAU, Ph.D., *Associate in Chemistry.*

ELEANOR B. NEWTON, A.M., *Assistant in Chemistry.*

The instruction in chemistry is concentrated in the first year, and is arranged upon the assumption that the student is already thoroughly grounded in the principles of chemistry and in physics. The object aimed at is to impart that fundamental knowledge of organic and physiological chemistry which is necessary to the comprehension of the bearings of chemistry upon physiology, pharmacology and medicine.

Lectures.—There will be two lectures a week during the first term upon physical chemistry. The elements of the subject will be presented with special emphasis upon the properties and reactions of colloids, and the theory of indicators. Roentgen and radium rays are also discussed.

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During the second term two lectures a week will be devoted to organic and physiological chemistry. The lectures will discuss groups of compounds of especial biological importance, emphasizing especially the carbohydrates, purines, amino acids and the fats.

In the third term two lectures weekly will be devoted to Physiological Chemistry.

Recitations and Conferences.—There will be one recitation weekly during the third term. These recitations are largely in the nature of conferences.

Laboratory Work.—During the first term there will be one session weekly of three and one-half hours in physical chemistry. The experiments are designed to familiarize the student with the fundamental properties of electrolytes and colloids, and to study the phenomena of osmosis and dialysis. Methods of hydrogen ion determination are also studied.

In the second term there will be two sessions weekly of two and one-half hours in organic and physiological chemistry. This work will be directed mainly to the preparation and examination of organic compounds of biological importance, and will furnish practice on those points in which laboratory manipulations are desirable.

During the third term there will be two three-hour laboratory sessions in physiological chemistry. This course will include the study of the reactions of the carbohydrates, fats and proteins; of the composition of the salivary, gastric, pancreatic and intestinal secretions and the bile, and their actions in digestion; of the fæces, urine, blood and milk; and of the examination of pathological fluids, concretions, etc. The arrangement of this course is in coaptation with those in physiology and in clinical pathology.

In the laboratory courses each student is supplied with all apparatus and chemicals required.

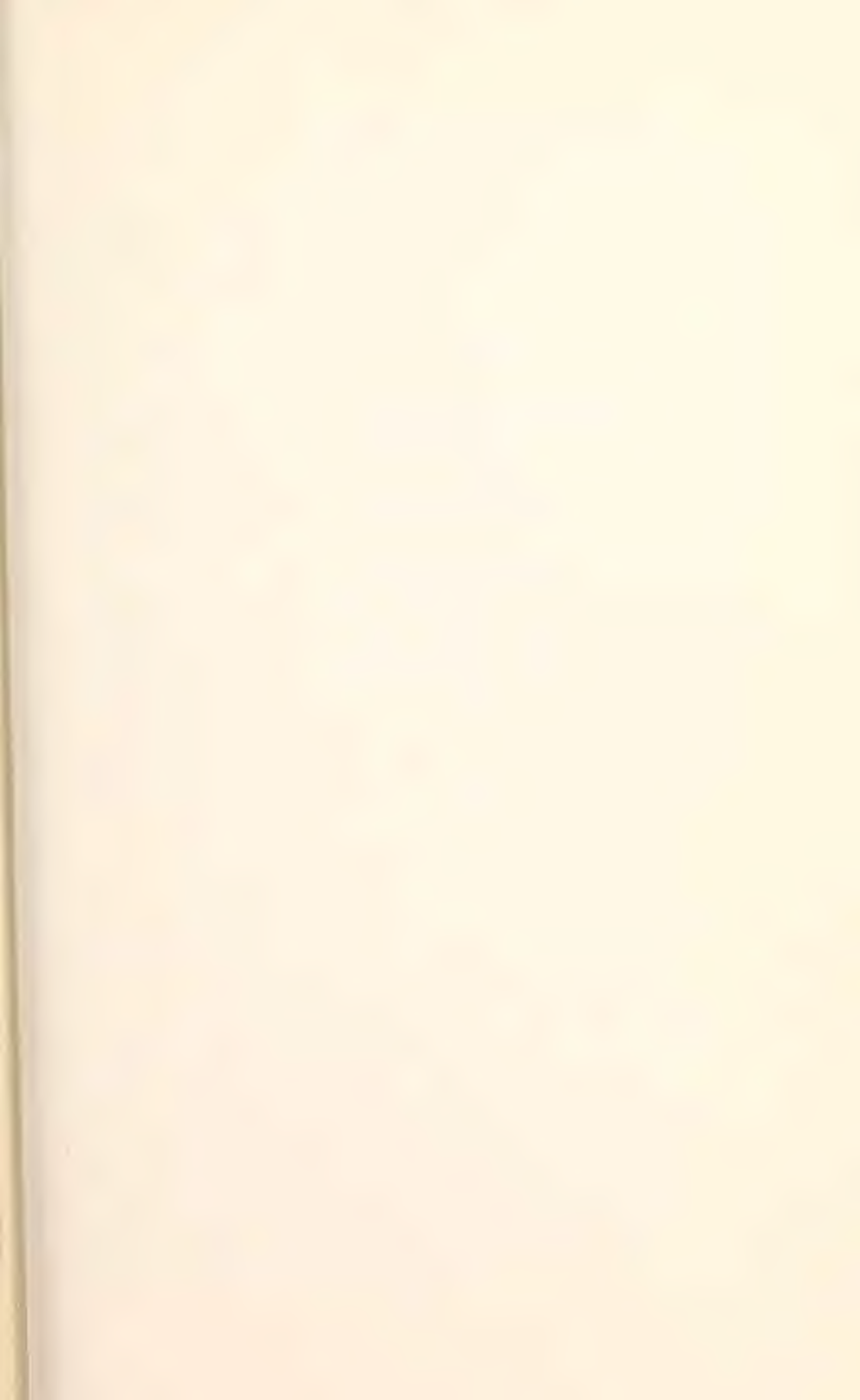
Chemical Pathology.—Elective in the fourth year. A practical course in the chemical analysis of the blood. The laboratory work is supplemented by informal lectures and discussions. Hours to be arranged.

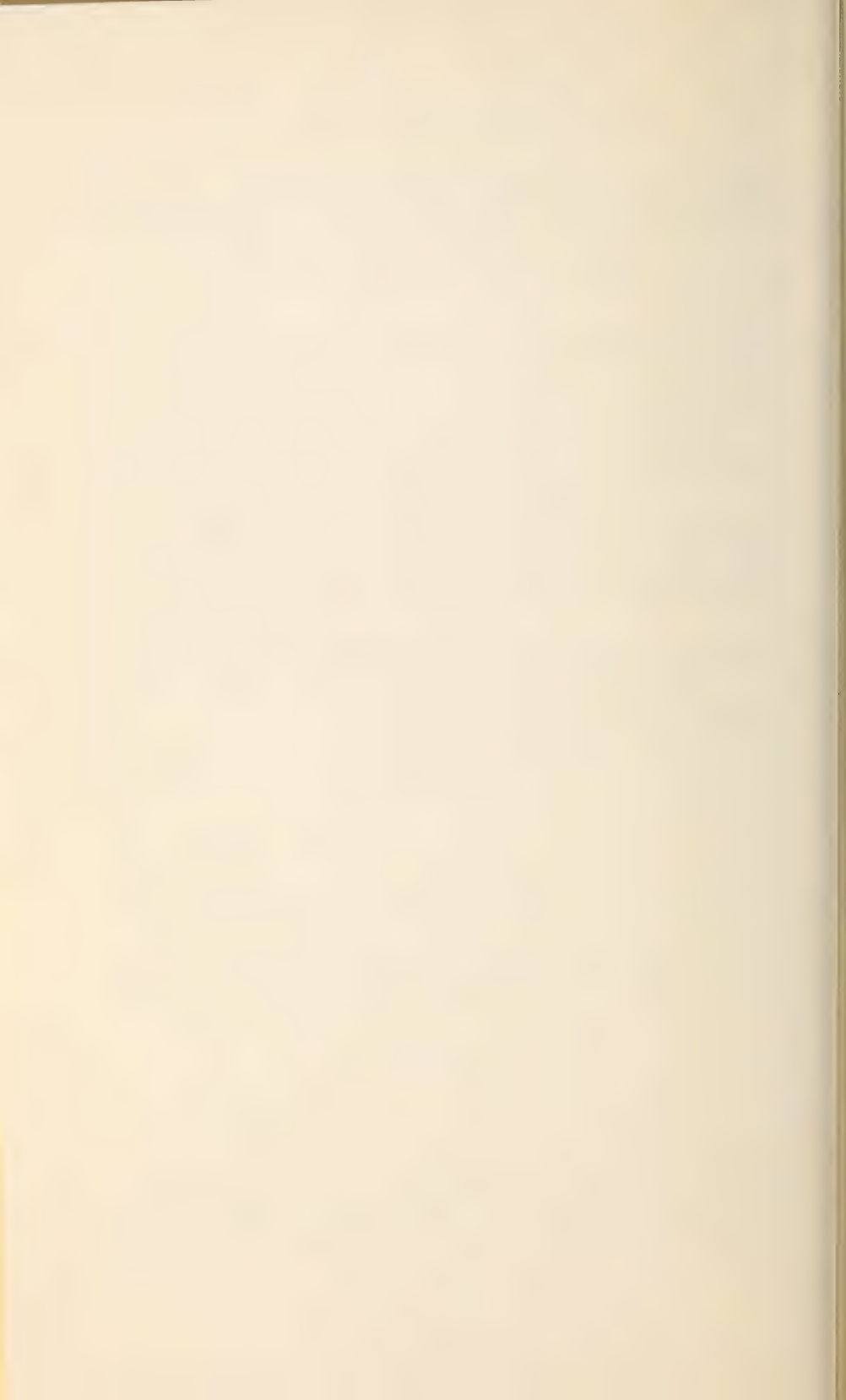
Research.—The laboratory will be open during "optional hours" to students of any year who desire to prosecute advanced work or research, subject to the regulations of the office.

SUMMARY.

	<i>First Year.</i>
Recitations	11 hours
Laboratory	162 hours
Lectures	66 hours

Text-books.—Hawk, *Practical Physiological Chemistry*, eighth edition. For Collateral Reading:—Mathews, *Physiological Chemistry*; Wells, *Chemical Pathology*; McCollum, *Organic Chemistry*, for students of Medicine and Biology.





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PHARMACOLOGY.

ROBERT ANTHONY HATCHER, Ph.G., M.D., *Professor of Pharmacology.*

HARRY GOLD, M.D., *Instructor in Pharmacology.*

Work in this department is offered during the second and third years.

Pharmacology.

I. Laboratory.—Sixty-six hours will be devoted to the study of the actions of drugs in the third trimester of the second year.

The experiments are designed to illustrate a wide range of pharmacologic actions, the more important drugs being considered with reference to their actions on different structures. Professor Hatcher and Dr. Gold.

II. Lectures.—Thirty-four hours will be devoted to lectures, conferences and written reviews on Systematic Pharmacology in the first trimester of the third year. Professor Hatcher and Dr. Gold.

Materia Medica and Pharmacy.

III. Elementary Pharmacy and Toxicology.—Ten hours will be devoted to the consideration of crude drugs, and making pharmacopœial preparations of the different pharmaceutical classes (such as extracts, pills, etc.,) by the students. Each laboratory exercise will be preceded by an informal discussion of the work to be done and its relation to therapeutics.

IV. Research. [Elective.]—Students will be encouraged to conduct original research under the supervision of the members of the staff. Such work affords a valuable insight into pharmacologic methods, and assists in the formation of a correct estimate of the original work of others.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>
Lectures and Conferences .....	.....	34 hours
Laboratory	66 hours	10 hours

Text-books.—Sollmann, *A Text-book of Pharmacology; A Laboratory Guide in Pharmacology.*

DEPARTMENT OF PATHOLOGY.

General Pathology, Pathological Anatomy, Experimental Pathology.

JAMES EWING, M.D., *Professor of Pathology.*

OTTO H. SCHULTZE, M.D., *Professor of Medical Jurisprudence.*

ELISE S. L'ESPERANCE, M.D., *Assistant Professor of Pathology.*

DOUGLAS SYMMERS, M.D., *Assistant Professor of Pathological Anatomy.*

JAMES DENTON, M.D., *Assistant Professor of Pathology.*

CHARLES S. B. CASSASSA, M.D., *Instructor in Pathological Anatomy.*

LEWIS D. STEVENSON, M.D., *Instructor in Neuro-Pathology.*

J. FRANK FRASER, M.D., *Instructor in Dermopathology.*

ARTHUR H. DODGE, M.D., *Instructor in Pathological Anatomy.*

CHARLES T. OLCOTT, A.B., M.D., *Instructor in Pathology.*

MAX CUTLER, M.D., *Assistant in Pathology.*

CORNELL UNIVERSITY MEDICAL COLLEGE

GENERAL PATHOLOGY.

Facilities.—The department of pathology occupies the main part of the fourth floor of the college building, in which are a class room and working museum, demonstration room for pathological anatomy with refrigerating plant, a preparation room for pathological histology, four private laboratory rooms for officers of the department, an animal hospital, and the library.

Pathological material is drawn from New York Hospital, Bellevue Hospital and the City Morgue, Memorial Hospital for Cancer and Allied Diseases, and other Hospitals.

The museum contains a selected collection of 3,000 specimens illustrating most of the common and many rare pathological lesions. It is especially rich in lesions of bones and in tumors.

The histological cabinets contain about 20,000 slides arranged anatomically and cross-indexed for special diseases. There are also 300 sets of demonstration slides for undergraduate teaching purposes.

The library contains 12,000 bound volumes of current periodicals in English, French, German and Italian, and 5,000 selected reprints and monographs.

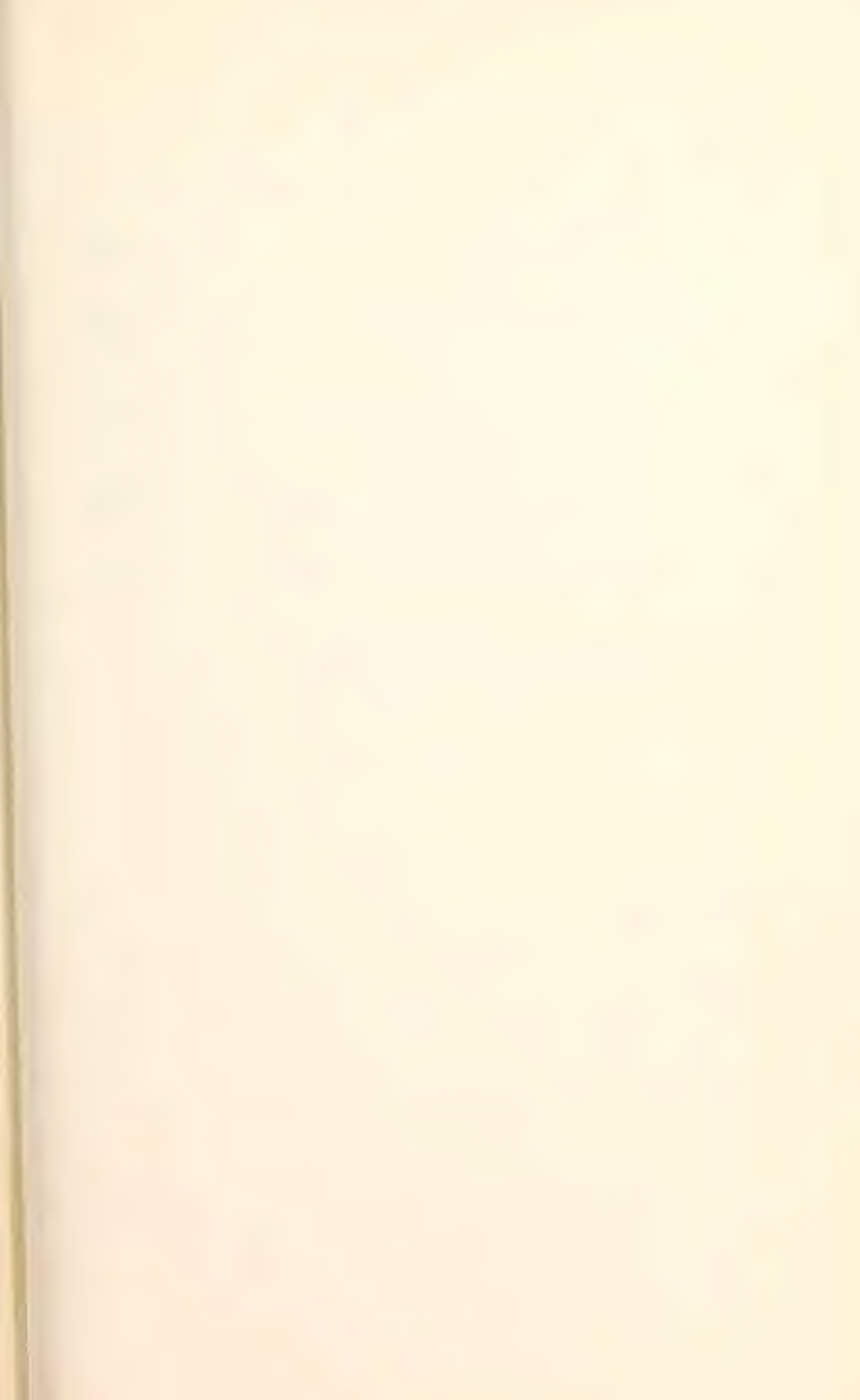
A volume is issued jointly by the Departments of Pathology, Bacteriology, and Hygiene, in which are collected the main studies coming from these laboratories. The Department of Pathology with the collaboration of heads of other departments conducts the work in Cancer Research of the Memorial Hospital, and at appropriate times issues reports of these studies.

Instruction.—The course of instruction in pathology begins in the first term of the second year, with lectures and gross and microscopical demonstrations, illustrating degeneration, inflammation, repair of tissue, and the infectious granulomas. At the same time the student observes the external phenomena of disease in demonstrations conducted by the Departments of Medicine and Surgery, reads about them in text-books, and prepares recitations on these topics. Coincidentally, biweekly demonstrations of gross pathological material collected from autopsies are conducted. The introduction of each topic is made by individual demonstration of museum specimens followed by the study of microscopic sections. Further co-ordination of work is accomplished by having the course in bacteriology proceed at the same time. The second term is occupied by the subject of tumors, and diseases of the lungs. The third term is devoted to Special Pathology of the organs, constitutional diseases, gynecological pathology, and neuropathology. In the first term of the third year osteopathology, gynecological pathology, and other special topics are considered.

Pathological Anatomy is continued through three terms of the course in general pathology, and in the third and fourth years the student witnesses or performs autopsies. Various elective courses are offered in the latter portion of the fourth year.

SYNOPSIS OF COURSES.

General Pathology.—Lectures, gross and microscopical demonstrations in
(a) Degeneration, Inflammation, Regeneration, Granulomas. Required





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in first term of second year. (b) Special Pathology of Lungs. Required in second term of second year. (c) Tumors. Required in third term of second year. (d) Osteopathology, Neuropathology, Gynecological pathology. Required in the first term of third year. 243 hours. Professors Ewing and L'Esperance and Drs. Denton, Olcott, Stevenson and Fraser.

Pathological Anatomy.—Demonstrations of gross lesions in material collected from autopsies, gross pathological diagnosis, pathogenesis of symptoms and lesions. 66 hours. Required in second year. Professor Schultze, Drs. Cassassa and Dodge.

Autopsy Technique.—Section teaching at Morgue. Required in third year. Professor Symmers and Dr. Whitcomb.

Medico-legal Pathology.—The medico-legal relations of pathology are extensively illustrated in the material collected in the morgue and in the museum, and special attention is devoted to this subject in the third and fourth years. Professor Schultze, Drs. Cassassa and Dodge.

Recitations, Examinations.—Written recitations are conducted monthly throughout the year. Written and practical examinations are held at the end of the course.

Electives.—In the latter part of the fourth year the student may return to the laboratory and pursue advanced courses in several fields to be determined on consultation. The following courses are specifically recommended.

1. Pathological technique.
2. Tumor diagnosis and General Oncology.
3. Gynecological Pathology.
4. Dermatopathology.
5. Neuropathology.
6. Surgical Pathology.
7. Special pathology and study of groups of cases with the production of a thesis.

Most of these elective courses will require the student's entire time for one to three months but may be continued into the summer.

Special Students and Special Degrees.—Opportunity is afforded to a limited number of students to engage in original research in selected topics under the direction of an instructor. The student must contract to devote his entire time, in the usual sense, to the pursuit of the problem, and the results of the work may be published under the auspices of the department. The work may be pursued in the college laboratories, in the Loomis Laboratory, at the New York Hospital, or at the Memorial Hospital in cancer research.

Under the conditions laid down in the Graduate School of Medicine, the student may obtain the degree of M.S., after one year, or Ph.D. after three years of study in Pathology. The completion of an original thesis is required for these degrees, and they are granted only to graduates in Medicine.

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CANCER RESEARCH

Since 1904 the work of the Huntington Fund for Cancer Research has been located in the laboratories of Cornell University Medical College under the general direction of the Department of Pathology, and with the collaboration of heads of other departments. Later through the support of Dr. James Douglas, and the co-operation of the Board of Managers, it has been extended to the laboratories of the Memorial Hospital. A laboratory building accommodating pathology, biology, chemistry and physics has recently been erected.

The organization of this work includes pathology, Prof. Ewing; bacteriology, Prof. Torrey; chemistry, Prof. Benedict; biology, Prof. Stockard; pathology, Prof. L'Esperance.

Clinical studies in the diagnosis, natural history, and treatment of neoplastic diseases are conducted in the hospital by the members of the Staff. The general conduct of the ward service is in charge of Dr. Wm. S. Stone, Clinical Director. The Radium Department is in charge of Dr. Douglas Quick. Other special departments are conducted by Drs. B. S. Barringer, Burton J. Lee, William P. Healey and others. The radium laboratory possesses four grams of radium metal, supplied by the National Radium Institute through the late Dr. James Douglas. The radium laboratory is in charge of Mr. Gioacchino Failla, Physicist, and four assistants. The X-ray Department is in charge of Dr. Ralph E. Herendeen, Roentgenologist. Prof. Walter F. Wilcox is Consulting Statistician.

SUMMARY

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
General and Special Pathology	195 hours	48 hours	.....
Pathological Anatomy	66 hours	10 hours	.....
Autopsy Technics .....	.....	.....	Variable

BACTERIOLOGY.

WILLIAM J. ELSE, M.D., *Professor of Bacteriology and Immunology.*

ARTHUR F. COCA, M.D., *Professor of Immunology.*

ROBERT A. COOKE, M.D., *Assistant Professor of Applied Immunology.*

GEORGE W. WHEELER, M.D., *Assistant Professor of Bacteriology.*

ELLA F. GROVE, *Instructor in Immunology.*

RUTH A. THOMAS, A.B., C.P.H., *Instructor in Bacteriology.*

ROBERT KOCH, M.D., *Instructor in Bacteriology.*

WILL C. SPAIN, M.D., *Instructor in Applied Immunology.*

EDGAR L. MILLORD, A.B., *Assistant in Bacteriology and Immunology.*

I. Bacteriology.

The subject is taught in the second year in two parts. Part I includes the preparation of culture media, the principles of sterilization and disinfection, the methods of isolation and differentiation of bacterial species

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and a study of their bio-chemical behaviour. Part II includes a detailed study of the pathogenic bacteria; special attention being paid to their relation to diseases of man. This work is supplemented by lectures and conferences dealing with the theoretical phases of bacteriology and immunology.

II. Immunology.

A laboratory and didactic course is given to second year students in two sections following the course in bacteriology. This course is designed primarily to familiarize the student with the fundamental immunological and serological principles, as well as the technic involved in the recognized clinical and forensic application of those principles, viz., the Widal, precipitin, Wassermann, von Pirquet, Schick, and Dick tests; the standardization of diphtheria antitoxin; the grouping of human individuals with respect to isohemagglutinins; and the cutaneous test for atopic hypersensitiveness (asthma and hay fever).

III. Applied Immunology.

An elective clinical course in applied immunology is offered to fourth year students. This course consists of the practical study of various forms of hypersensitiveness in man, ample material for which is provided in the special clinic, two evenings (4 hours) for one week at the New York Hospital.

SUMMARY

	<i>Second Year.</i>	<i>Fourth Year.</i>
Bacteriology	160 hours	.....
Immunology	50 hours	elective

MEDICINE.

LEWIS A. CONNER, M.D., *Professor of Medicine.*

WALTER L. NILES, M.D., *Professor of Clinical Medicine.*

EUGENE F. DUBOIS, M.D., *Associate Professor of Medicine.*

NELLIS B. FOSTER, M.D., *Associate Professor of Medicine.*

WILLIAM C. THRO, M.D., *Professor of Clinical Pathology.*

FRANK S. MEARA, M.D., *Professor of Clinical Medicine.*

ALEXANDER LAMBERT, M.D., *Professor of Clinical Medicine.*

MALCOLM GOODRIDGE, M.D., *Professor of Clinical Medicine.*

JOHN W. CHURCHMAN, M.D., *Professor of Experimental Therapeutics.*

HENRY B. RICHARDSON, M.D., *Assistant Professor of Medicine.*

RUSSELL L. CECIL, M.D., *Assistant Professor of Clinical Medicine.*

ARTHUR L. HOLLAND, M.D., *Assistant Professor of Clinical Medicine.*

SAMUEL BRADBURY, M.D., *Assistant Professor of Clinical Medicine.*

RALPH G. STILLMAN, M.D., *Assistant Professor of Clinical Pathology.*

CARY EGGLESTON, M.D., *Assistant Professor of Clinical Medicine.*

HAROLD E. B. PARDEE, M.D., *Assistant Professor of Clinical Medicine.*

HARRY A. BRAY, M.D., *Lecturer on Tuberculosis.*

ALICE R. BERNHEIM, M.D., *Associate in Medicine.*

JOHN H. RICHARDS, M.D., *Instructor in Clinical Pathology and Medicine.*

CORNELL UNIVERSITY MEDICAL COLLEGE

NANCY JENISON, M.D., *Instructor in Medicine.*
WALTER H. BRUNDAGE, M.D., *Instructor in Medicine.*
DAN H. WITT, M.D., *Instructor in Medicine.*
HORACE S. BALDWIN, M.D., *Instructor in Medicine.*
CHARLES H. NAMMACK, M.D., *Instructor in Medicine.*
LESLIE T. GAGER, M.D., *Instructor in Medicine.*
ASA L. LINCOLN, M.D., *Instructor in Medicine.*
ROBERT R. HANNON, M.D., *Instructor in Medicine.*
PAUL REZNIKOFF, M.D., *Instructor in Medicine.*
WHEELAN DWIGHT SUTLIFF, M.D., *Instructor in Medicine.*
MORTON RYDER, M.D., *Instructor in Clinical Medicine.*
BENJAMIN H. ARCHER, M.D., *Instructor in Clinical Medicine.*
HAROLD S. BELCHER, M.D., *Instructor in Clinical Medicine.*
LAILA COSTON CONNER, M.D., *Instructor in Clinical Medicine.*
HAYNES H. FELLOWS, M.D., *Instructor in Clinical Medicine.*
CONNIE M. GUION, M.D., *Instructor in Clinical Medicine.*
HARRY H. HAMILTON, M.D., *Instructor in Clinical Medicine.*
EDWIN T. HAUSER, M.D., *Instructor in Clinical Medicine.*
LOUIS A. HAUSER, M.D., *Instructor in Clinical Medicine.*
EDMUND R. P. JANVRIN, M.D., *Instructor in Clinical Medicine.*
BERTON LATTIN, M.D., *Instructor in Clinical Medicine.*
LEON I. LEVINE, M.D., *Instructor in Clinical Medicine.*
ANNA PLATT, M.D., *Instructor in Clinical Medicine.*
NEIL C. STEVENS, M.D., *Instructor in Clinical Medicine.*
DOUGLASS PALMER, M.D., *Instructor in Clinical Medicine.*
SYDNEY WEINTRAUB, M.D., *Instructor in Clinical Medicine.*
HARRY BERKOFF, M.D., *Instructor in Clinical Medicine.*
HELEN GAVIN, M.D., *Instructor in Clinical Medicine.*
EVELYN HOLT, M.D., *Instructor in Clinical Medicine.*
MICHAEL LAKE, M.D., *Instructor in Clinical Medicine.*
WINIFRED KIRK, M.D., *Instructor in Clinical Medicine.*
EPHRAIM SHORR, M.D., *Instructor in Clinical Medicine.*

The course in Medicine is begun in the first trimester of the second year and is continued through the second, third and fourth years. Instruction is given by means of didactic lectures, laboratory exercises, amphitheatre clinics, recitations, section classes in the wards and in the College Clinic and clinical clerkships in the wards of Bellevue and New York Hospitals.

SECOND YEAR

Introductory Clinics.—The subject of Medicine is introduced in the first trimester by a series of elementary clinics given at the New York Hospital by Professors Conner and Foster. These clinics are designed to acquaint the student with the simpler and more obvious aspects of important and common types of diseases and to stimulate in him the habit of observation. In Bellevue Hospital during the same period a course in Pathological Physiology consisting of lectures and illustrative clinics is given by Professors DuBois, Richardson, Cecil, and Dr. Hannon. The exercises are intended to bridge the gap

DETAILS OF THE PLAN OF INSTRUCTION

between the course in Physiology and that in Medicine and to emphasize the importance of the changes in function which occur in disease.

In the third trimester clinics are held in the Amphitheatre of Bellevue Hospital by Professor DuBois and his associates.

Recitations.—A systematic study of Osler's Textbook of Medicine is begun in the second trimester. Recitations are held once a week by Professor DuBois and Dr. Witt.

Physical Diagnosis.—During the first trimester the principles of Physical Diagnosis are presented in lectures and demonstrations by Dr. Pardee and the students are instructed in the various methods of physical examination. In the second trimester the student is given opportunity to practise physical diagnosis by the examination of patients in the wards of the New York and Bellevue Hospitals. The Class is divided into small sections and the bedside teaching conducted by Doctors Pardee, Nammack, Richardson, Baldwin, Gager, and Hannon under the direction of Professor Foster.

THIRD YEAR

Lectures.—During the first and second trimesters one lecture a week is given by Professor Conner upon the general symptomatology of disease. Each of the commoner and more important symptoms is considered in detail with special reference to the physiological processes involved.

Physical Diagnosis.—This subject is continued in the third year during the second and third trimesters. The Class is divided into small groups, each of which in turn is assigned to service in the medical department of the College Clinic. Each student under careful supervision of an instructor is expected to take histories and to make and record physical examinations. This course is under the direction of Professor Bradbury.

Clinics.—In the first and third trimesters general medical clinics are held once a week in the College Amphitheatre by Professor Conner. At the Clinics are presented such ambulatory types of medical diseases as are usually not seen in the hospital wards.

Recitations.—The systematic study of Osler's Textbook of Medicine, begun in the second year, is continued during all the three trimesters of the third year. Recitations are conducted by Professors Cecil and Richardson and Doctors Richards and Baldwin.

Therapeutics.—Instruction in therapeutics, under the charge of Professor Goodridge, is given in the form of lectures and conferences, during the third trimester of the third year, and practical demonstrations in the wards of Bellevue Hospital during the period of clinical clerkship in the fourth year. For one-half of this period (two weeks) especial emphasis is laid upon treatment and the student receives practical instruction in the use of the more important drugs and in the various other therapeutic procedures.

Clinical Pathology.—The introductory required course, under the charge of Professor Thro, is given in the first trimester of the third year. It con-

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sists of ninety-six hours of lectures and laboratory work. This time is devoted to the teaching and the practical application of methods for the examination of urine, blood and blood serum, sputum, exudates and transudates, spinal fluid, gastric contents, faeces, and for the bacteriological examination of clinical material.

During the remainder of the third year and in the fourth year the students perform laboratory tests on patients assigned them in the clinics and hospitals, where they are supervised by instructors in the Department of Medicine.

In the latter part of the fourth year students have an opportunity to elect work in Clinical Pathology.

FOURTH YEAR

Clinical Clerkships.—The time allotted to medicine in the last year is devoted entirely to practical work in the wards of New York and Bellevue Hospitals and to elective subjects. Each student is required to serve for a period of two months as clinical clerk in the medical wards; the time being divided equally between New York and Bellevue Hospitals. During this period his entire day is spent in the wards and clinical laboratories. A certain number of patients are assigned for study to each student. Under careful supervision he takes the histories, makes physical examinations, performs the various necessary laboratory examinations and records the progress of the cases. He is expected to be present at all post mortem examinations and to attend the clinical pathological conferences. Each afternoon teaching rounds for the entire group on duty are made by some member of the Attending Staff.

At the New York Hospital, in addition to the routine ward teaching by Professors Conner and Foster, a weekly conference by Professor Foster is held with the group upon disorders of metabolism and their treatment, as exemplified by cases in the wards; a course of eight periods on the fluoroscopic investigation of the gastro-intestinal tract is given by Doctor Holland, and a part of one afternoon of each week is devoted by Doctor Pardee to the study of cardiac arrhythmias and the interpretation of electrocardiographic and polygraphic records.

At Bellevue Hospital, in addition to the routine ward teaching by Professors DuBois, Niles, and Goodridge, a clinical pathological conference and a medical clinic are held once a week. At the latter, cases presented by the student clerks are discussed by the staff and the results of experimental work done by the research members of the staff are demonstrated in connection with the cases studied. During this period also the students spend four afternoons in the wards of the Tuberculosis Division where, through the courtesy of Dr. James Alexander Miller, Visiting Physician in charge, they receive instruction together with students from the College of Physicians and Surgeons.

Elective Studies.—The latter part of the fourth year is available for elective work. For courses offered see page 68.

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Graduate Study and Research.—The clinics and laboratories of Bellevue and New York Hospitals are available for special study and research to a limited number of physicians possessing suitable training.

Bellevue Hospital Clinic.—The Russell Sage Institute of Pathology is especially equipped for the investigations of problems of metabolism. The calorimeter is operated in conjunction with a metabolism ward and there is a chemical research laboratory for the study of problems connected with respiration and the gases of the blood.

New York Hospital Clinic.—The clinical laboratory and chemical laboratory are closely allied with the wards and offer excellent facilities for the study of the chemical aspects of disease. Special lines of research may also be carried on in the serological and bacteriological laboratories of the Hospital in conjunction with clinical observation in the wards. These laboratories have been used notably in the study of the anaemias, nephritis, and protein sensitization.

SUMMARY

*Medicine**

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	12 hours	33 hours	.....
Recitations	21 hours	33 hours	.....
Clinics	82 hours	35 hours	.....
Clinical Clerkships .....	.....	.....	312 hours
Sections	44 hours	10 hours	.....
Clinical Pathology .....	.....	96 hours	.....

SURGERY.

CHARLES L. GIBSON, M.D., *Professor of Surgery.*

JOHN A. HARTWELL, M.D., *Associate Professor of Surgery.*

HENRY H. M. LYLE, M.D., *Assistant Professor of Surgery.*

BURTON J. LEE, M.D., *Professor of Clinical Surgery.*

JAMES MORLEY HITZROT, M.D., *Professor of Clinical Surgery.*

ALFRED S. TAYLOR, M.D., *Professor of Clinical Surgery.*

POL CORYLLOS, M.D., *Professor of Clinical Surgery.*

JOSHUA E. SWEET, M.D., *Professor of Surgical Research.*

CHARLES E. FARR, M.D., *Assistant Professor of Surgery.*

JOSEPH P. HOGUET, M.D., *Assistant Professor of Clinical Surgery.*

JOHN C. A. GERSTER, M.D., *Assistant Professor of Clinical Surgery.*

HAROLD E. SANTEE, M.D., *Assistant Professor of Clinical Surgery.*

GUILFORD S. DUDLEY, M.D., *Assistant Professor of Clinical Surgery.*

ELISE S. L'ESPERANCE, M.D., *Assistant Professor of Pathology.*

RALPH G. STILLMAN, M.D., *Assistant Professor of Clinical Pathology.*

MORRIS K. SMITH, M.D., *Assistant Professor of Surgery.*

LEILA C. KNOX, M.D., *Instructor in Surgical Pathology.*

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ABRAHAM J. BELLER, M.D., *Instructor in Operative Surgery.*
JOSEPH E. KING, M.D., *Instructor in Surgery.*
W. MORRIS WEEDEN, M.D., *Instructor in Surgery.*
RUSSEL H. PATTERSON, M.D., *Instructor in Surgery.*
WILLIAM L. SOULE, M.D., *Instructor in Anesthesia.*
H. H. JOHNSON, M.D., *Instructor in Operative Surgery.*
NELSON W. CORNELL, M.D., *Instructor in Surgery.*
PAUL K. SAUER, M.D., *Instructor in Operative Surgery.*
HERBERT BERGAMINI, M.D., *Instructor in Clinical Surgery.*
BYRON S. STOOKEY, M.D., *Instructor in Surgery.*
RAYMOND MILES, M.D., *Instructor in Surgical Pathology.*
KURT SEMSROTH, M.D., *Assistant in Surgical Pathology.*
WOODHULL C. CONDUCT, M.D., *Instructor in Operative Surgery.*
WILLIAM V. HEALEY, M.D., *Instructor in Operative Surgery.*
WALTER STENSON, M.D., *Instructor in Operative Surgery.*
JOHN E. SUTTON, JR., M.D., *Assistant in Clinical Surgery.*
BRADLEY COLEY, M.D., *Assistant in Clinical Surgery.*
HENRY S. F. COOPER, M.D., *Assistant in Clinical Surgery and in Surgical Research.*
HAYES E. MARTIN, M.D., *Assistant in Clinical Surgery.*
JOHN H. MORRIS, A.B., M.D., *Assistant in Surgical Research.*
ARMAND QUICK, M.S., PH.D., *Assistant in Surgical Research.*
LORRIN SHEPARD, M.D., *Assistant in Clinical Surgery.*
FLORENCE WEST, A.B., *Assistant in Surgical Research.*
PENELOPE MARSH, M.D., *Bacteriologist, Department of Surgery.*

In the second year the introductory course in surgery consists of a series of lectures and recitations, clinics and sections in Bellevue and St. Mary's Hospitals.

In the third year recitations are continued upon regional surgery; the class is instructed in sections at St. Luke's Hospital in history taking and methods of surgical examination and diagnosis, three hours a week for one term, and four and a half hours a week at Memorial Hospital in neoplasms.

In the second and third terms clinics for the whole class are held weekly at New York and St. Luke's Hospitals. Twenty-three lectures are given by the Professors of Surgery.

A Fracture Course consisting of eleven lectures and demonstrations is given under the direction of Drs. Hitzrot and Smith.

Operative Surgery. The course in charge of Dr. John C. A. Gerster consists of recitations and operative work on the cadaver. Each member of the class performs all the principal operations.

In the fourth year students spend eight weeks as clinical clerks in the wards of the New York and Bellevue Hospitals. They also receive clinical instruction in small groups in several hospitals and dispensaries on the special branches of gynecology and orthopedics. In the last two months all the work is purely elective and the students may supplement their work in surgery by clinical and laboratory electives.





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HOSPITAL WORK

The Cornell University Medical College through its control of the First Surgical Service of the New York Hospital, the Second Surgical Division of the Bellevue Hospital and the Memorial Hospital and with clinical privileges at St. Luke's and St. Mary's Hospitals, possess every facility necessary for the efficient teaching of practical surgery and surgical pathology.

The Staff of Instruction of the New York Hospital is at present organized as follows:

NEW YORK HOSPITAL, CORNELL (FIRST SURGICAL) DIVISION.

CHARLES L. GIBSON, M.D., *Professor of Surgery, Attending Surgeon.*

JAMES M. HITZROT, M.D., *Professor of Clinical Surgery, Associate Attending Surgeon.*

CHARLES E. FARR, M.D., *Assistant Professor of Clinical Surgery, Associate Attending Surgeon.*

RALPH G. STILLMAN, M.D., *Assistant Professor of Clinical Pathology, Assistant Director Department of Pathology.*

GEORGE W. WHEELER, M.D., *Assistant Professor of Bacteriology, Bacteriologist.*

W. MORRIS WEEDEN, M.D., *Instructor in Surgery, Assistant Attending Surgeon.*

NELSON W. CORNELL, M.D., *Instructor in Surgery, Assistant Attending Surgeon.*

WILLIAM L. SOULE, M.D., *Instructor in Anesthesia, Anesthetist.*

KURT SEMSROTH, M.D., *Assistant in Surgical Pathology, Assistant Pathologist.*

The work is carried on in collaboration with the additional appointees from the Department of Pathology.

The division consists of about 60 surgical beds and a variable proportion of the children's service. The service is acute in character, and is particularly rich in the graver emergency and traumatic material.

Attached to this division is also a large Dispensary (Tuesday, Thursday and Saturday mornings), which furnishes valuable material for instruction and includes departments in orthopedics, gynecology and dental surgery.

The resources of the Pathological Department under Professor Elser afford valuable opportunities for the study of surgical pathology, and an intimate connection between the two departments is maintained.

Instruction consists of bedside instruction, diagnosis clinics, operative and post-operative clinics, practical instruction in sections (with utilization of the Dispensary clinical material) and clinical clerkships.

Fourth Year Clerkships.—Each section of students, for four weeks, is subdivided into four smaller groups and the course is planned to give a rotating service changing weekly. The work of the students is similar to that of the

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junior internes; but carried out under careful supervision. In addition, special instruction is given by members of the Attending Staff, the Staffs of the Pathological Laboratory and of the Out Patient Department in special work.

All patients in the hospital service are assigned to the student groups who become responsible for all the histories, physical examinations, laboratory investigations and observations on treatment and convalescence after operation.

A special course in Surgical Pathology is given on three days a week by Dr. Semsroth.

Students are urged to write a short paper during the course preferably on some case or subject studied during their clerkship.

BELLEVUE HOSPITAL, CORNELL (SECOND SURGICAL) DIVISION.

HAROLD E. SANTEE, M.D., *Assistant Professor of Clinical Surgery, Director of Second Surgical Division.*

JOHN A. HARTWELL, M.D., *Associate Professor of Surgery, Visiting Surgeon.*

GEORGE WOOLSEY, M.D., *Professor of Clinical Surgery Emeritus, Consulting Surgeon.*

JOHN ROGERS, M.D., *Professor of Clinical Surgery Emeritus, Visiting Surgeon.*

ALFRED S. TAYLOR, M.D., *Professor of Clinical Surgery, Visiting Surgeon (Neurology).*

GUILFORD S. DUDLEY, *Assistant Professor of Clinical Surgery, Assistant Visiting Surgeon.*

ELISE S. L'ESPERANCE, M.D., *Assistant Professor of Pathology, Surgical Pathologist.*

JOSEPH E. KING, M.D., *Instructor in Surgery, Assistant Visiting Surgeon (Neurology).*

RUSSEL H. PATTERSON, M.D., *Instructor in Surgery, Assistant Visiting Surgeon.*

HERBERT BERGAMINI, M.D., *Instructor in Clinical Surgery, Assistant Visiting Surgeon.*

BYRON S. STOOKEY, M.D., *Assistant in Clinical Surgery, Assistant Visiting Surgeon (Neurology).*

JOHN E. SUTTON, M.D., *Assistant in Clinical Surgery, Surgeon to Out Patients and Adjunct Assistant Visiting Surgeon.*

HENRY S. F. COOPER, M.D., *Assistant in Clinical Surgery, Surgeon to Out Patients and Adjunct Assistant Visiting Surgeon.*

HAYES E. MARTIN, M.D., *Assistant in Clinical Surgery, Surgeon to Out Patients and Adjunct Assistant Visiting Surgeon.*

PENELOPE MARSH, *Bacteriologist, Department of Surgery, Surgical Bacteriologist.*

The Division consists of 90 surgical beds in addition to those devoted to genito-urinary diseases and gynecology the hospital instruction in which is outlined under their respective departments.

DETAILS OF THE PLAN OF INSTRUCTION

The hospital interne staff perform the routine duties of the wards, and are assisted in history taking, dressing, etc., by the surgical clerks, who spend their entire day in the wards during their period of clerkship, these privileges being extended exclusively to the students of the Cornell University Medical College.

Surgical Clerkships.—Intensive ward teaching is done under this head in the wards of Bellevue Hospital during the fourth year. The students are assigned in sections of four weeks each. They are under the direction of the Surgical Director aided by the corps of instructors.

Each student devotes his entire day to the work continuously for four weeks. He is assigned to the study of a certain number of patients, and is enabled to follow the complete course of the disease from the admission of the patient to his discharge. In the event of death he is present at the autopsy should one be performed.

In this way the student has an opportunity to follow to a conclusion a large number of surgical affections, and he is instructed in the proper methods of surgical history taking, surgical physical examination, surgical dressings, and operative surgery as seen at the operating table. He is also instructed in the laboratory study, including bacteriology, of the blood, urine, feces, exudates, and transudates. This laboratory work is done under the direction of the staff in the laboratories connected with the hospital, and is under the immediate charge of the Surgical Pathologist to the Division. Each student spends 24 hours in the pathological laboratory, where he is instructed in a series of lesions illustrating the cases under his observation.

By this method of instruction, each student comes into intimate contact with surgical patients, and is required to make a complete study of each one from every standpoint. He has constantly at his service two or more of the teaching staff to guide him in his work, and impress on him the proper methods of observation and study.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	22 hours.	32 hours.	.....
Recitations	12 hours.	54 hours.	.....
Clinics	57 hours.	16 hours.	.....
Sections	9 hours.	15 hours.	.....
Operative Surgery .....	.....	40 hours.	.....
Clinical Clerkships .....	.....	.....	312 hours.
Elective .....	.....	.....	<i>Variable</i>

Text-books.—Arnhurst's *Text-book of Surgery*; Rose and Carles, *Surgery*; Choyce, *A System of Surgery*; Thompson and Miles, *Manual of Surgery*, 6th Edition; Gould, *Surgical Diagnosis*.

Collateral Reading.—Lexer-Bevan, *General Surgery*; Stimson, *Fractures and Dislocations*; Binnie, *Operative Surgery*, 7th Edition; Binnie, *Regional Surgery*; *Lehrbuch der Chirurgie*, Garré and Borchard.

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OBSTETRICS AND GYNECOLOGY.

GEORGE GRAY WARD, M.D., *Professor of Obstetrics and Gynecology.*
HAROLD C. BAILEY, M.D., *Associate Professor of Obstetrics and Gynecology.*
LILIAN K. P. FARRAR, M.D., *Assistant Professor of Obstetrics and Gynecology.*
HERVEY C. WILLIAMSON, M.D., *Instructor in Obstetrics and Gynecology.*
JOHN F. MCGRATH, M.D., *Instructor in Obstetrics and Gynecology.*
FRANCIS W. GRAVELLE, M.D., *Instructor in Obstetrics and Gynecology.*
HOWARD S. MCCANDLISH, M.D., *Instructor in Obstetrics and Gynecology.*
ALFRED PLAUT, M.D., *Instructor in Gynecological Pathology.*
OGDEN F. CONKEY, M.D., *Instructor in Obstetrics and Gynecology.*
WILLIAM P. DRISCOLL, M.D., *Instructor in Obstetrics and Gynecology.*
LYNN L. FULKERSON, M.D., *Instructor in Obstetrics and Gynecology.*
JOSEPH N. NATHANSON, M.D., *Instructor in Obstetrics and Gynecology.*

OBSTETRICS.

Instruction in obstetrics will be given during the third and fourth years by recitations, lectures, manikin practice, ward section work, clinics and conferences, laboratory instruction, and attendance upon cases of confinement.

THIRD YEAR—First Term—*Recitations* in sections will be held by the instructors on the physiology of pregnancy, the mechanism of labor and the care of the woman during the lying-in period. Definite assignments of study from a standard text-book are made. 12 hours.

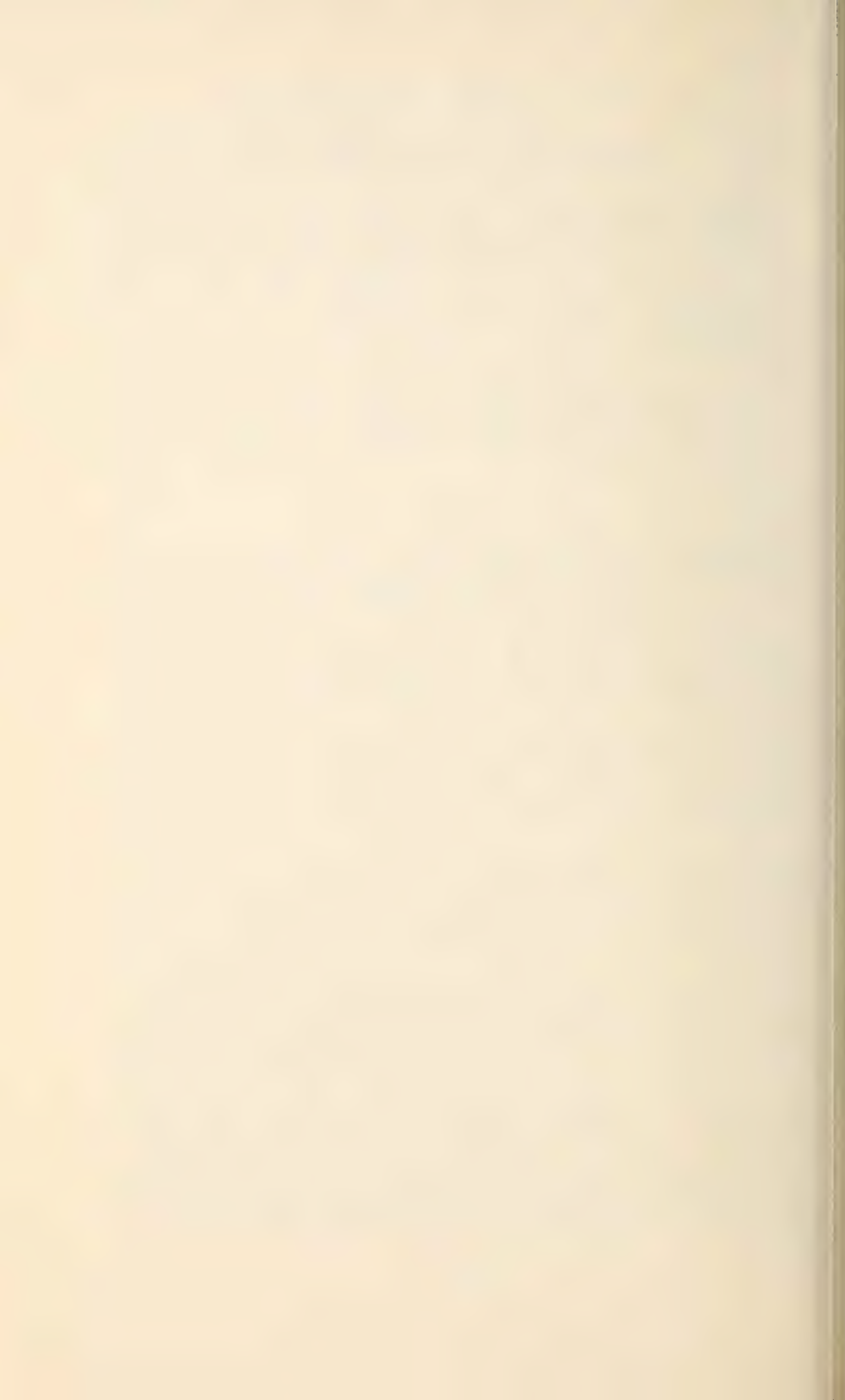
Lectures will be given by Professor Bailey which are illustrated by lantern slides and the exhibition of specimens and methods, and deal with the problems of menstruation, ovulation, embryology and the physiology of early pregnancy and the puerperium. The principles of the hygiene of pregnancy and the conduct of normal labor are emphasized. 12 hours.

THIRD YEAR—Second and Third Terms—*Recitations* in sections dealing with the pathology of obstetrics will be held by Drs. Williamson, Gravelle and McCandlish. Certain subjects are allotted for study and the student is closely quizzed on this work. This course is in the nature of a conference and discussion is encouraged. 21 hours.

Manikin practice is given to sections of the class and carried on in correlations with the quiz class. There is individual work by the students upon the phantoms under the close supervision and criticism of the instructors, Drs. Gravelle, McCandlish and Conkey. 10 hours.

Second and Third Terms—Professor Bailey will give a series of illustrated lectures on the pathology and complications of pregnancy. 21 hours.

Second and Third Terms—*Ward Section Work.* The sections are divided into groups of eight or ten and they spend ten sessions of two hours each in the wards of Bellevue Hospital under the direction of Professor Bailey and the instructors. The sections are opened each day by the demonstration of





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whatever operative material there is at hand. It is then continued by bedside instruction in the management of the pregnant and parturient woman and the care of the new-born child. 20 hours.

Laboratory instruction is given in the Departments of Anatomy and Pathology upon the histology of the vulva, uterus, ligaments, Fallopian tubes, and ovaries in the pregnant and non-pregnant conditions and upon the histology and pathology of the decidua, chorion, placenta and umbilical cord. Material is demonstrated from cases of puerperal infections and toxemias of pregnancy.

FOURTH YEAR—First and Second Terms—Practical Instruction—Students attend cases in labor at the Berwind Maternity Clinic and make the requisite post-partum visits. The class in sections of five reside in the clinic building during a period of two weeks. Each student attends from twelve to twenty cases and when possible, follows his case from the prenatal visits to the tenth day of the puerperium. The student is instructed particularly in the prenatal care. The follow-up clinic, at this hospital, carries the mother through a period of six weeks and the child for a period of one year. The student does his work under the control of the staff of instructors. Conferences are held in the Clinic and free discussion of the cases under treatment is encouraged.

Approximately 98 hours.

Third Term—An elective course in advanced obstetrics is given under the direction of Professor Bailey. The student spends two weeks at Bellevue Hospital and two weeks at the Berwind Maternity Clinic and the periods are eight hours a day at the former institution and twelve hours a day at the latter. In order that a certain number of operative cases may be seen the time is divided through the month into day and night services. While on the Berwind Clinic service a student may elect to serve full time rather than a twelve hour duty. Operative procedures are observed and the student takes part in the prenatal examination and general ward administration.

GYNECOLOGY.

Instruction in Gynecology is given during the third and fourth years by (1) Section teaching in the Out-Patient Department, (2) General operative clinics, (3) Section work in operative clinics, (4) Ward demonstrations and conferences, (5) Laboratory courses, and (6) Full time elective courses.

1. Small sections of three or four students are drilled by the instructors in methods of examination and treatment of ambulatory cases in the Cornell Clinic during the third year. In connection with the Out-Patient teaching, instruction is given in gynecological cystoscopy, the technic of endoscopy, cystoscopy, catheterizations and ureters and testing of kidney efficiency as applied to gynecological cases.

2. A general operative clinic by Professors Ward and Farrar is held at the Woman's Hospital for the fourth year students throughout the first and second

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terms. Charts, blackboard drawings, clay modeling, etc., are employed before the operation is begun, to teach the principles of operative gynecology: A stereomotograph is used during the operation to throw lantern slides upon the screen to show the operative steps and to refresh the student's memory of the anatomy of the region.

3. Small sections permit students at the operation to examine the patient under anæsthesia and thus enables them to study the detail of the operation, to write up reports, and to check up the diagnosis.

4. Ward demonstrations and conferences are held by the head of the department during the first and second terms of the fourth year at the Woman's Hospital. The students are brought into contact with the patients they have seen at operation and are thus enabled to follow the post-operative course of each case. They take histories of patients awaiting operation and make pelvic examinations under guidance.

Methods of diagnosis are demonstrated and the appropriate treatment is outlined. Non-operative treatments are demonstrated during these conferences.

5. A course in pathological gynecology is given by the department of Pathology during the third year. Specimens from the museum and microscopical sections of diseased tissues are demonstrated.

Lectures on gynecological pathology and laboratory demonstrations of secretions, discharges and specimens obtained from patients who come under operation are given to sections of the fourth year class by Dr. Plaut as a part of the course at the Woman's Hospital.

6. An elective course is given at the Woman's Hospital during the third term of the fourth year. The course provides for four students, working under supervision, as clinical clerks and assistants in the hospital from 9 A. M. to 5 P. M. daily for one month. It includes operating room work, the study of special research problems and preparation of a thesis.

SYNOPSIS OF COURSES.

Obstetrics

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	33 hours	.....
Recitations	33 hours	.....
Sections	30 hours	.....
Practical Obstetrics .....	.....	98 hours*

Gynecology

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Sections	10 hours	.....
Clinics .....	.....	(Elective)
Ward Demonstrations and Conferences .....	.....	102 hours

Text-books.—*Obstetrics*, Williams, DeLee; *Gynecology*, Polak, Crossen, Anspach, Graves, Ashton.

*Approximately.

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PEDIATRICS.

OSCAR M. SCHLOSS, M.D., *Professor of Pediatrics.*
 LOUIS C. SCHROEDER, M.D., *Assistant Professor of Pediatrics.*
 LYNN A. HOAG, M.D., *Assistant Professor of Pediatrics.*
 ARTHUR F. ANDERSON, M.D., *Associate in Pediatrics.*
 JESSE F. SAMMIS, M.D., *Instructor in Pediatrics.*
 MAY G. WILSON, M.D., *Instructor in Pediatrics.*
 PHILIP M. STIMSON, M.D., *Instructor in Pediatrics.*
 THOMAS E. WALDIE, M.D., *Instructor in Pediatrics.*
 SAMUEL Z. LEVINE, M.D., *Instructor in Pediatrics.*
 JAMES R. WILSON, M.D., *Instructor in Clinical Pediatrics.*
 ROBERT O. DUBOIS, M.D., *Assistant in Clinical Pediatrics.*
 CARL E. WEIGLE, M.D., *Assistant in Clinical Pediatrics.*

The aim of this department will be to give thorough instruction in the fundamental principles of Pediatrics.

The student will be given opportunity to become familiar with the diseases peculiar to infants and children, and will receive special instruction in infant feeding and hygiene, and the therapeutics of children's diseases.

Third Year. There will be a clinical lecture once a week during the second and third terms. This will comprise a systematic consideration of the subject of Pediatrics, supplemented by the demonstration of illustrative cases. The students will be assigned in sections for recitations in which the field of pediatrics will be consecutively considered.

Sections of students will be assigned to the wards for instruction in physical examination, diagnosis and treatment of sick infants and children.

A course of instruction in acute contagious diseases will be given at the Willard Parker Hospital. The student will have opportunity to become familiar with the diagnosis, care and treatment of such diseases.

Fourth Year.—The work during the fourth year will be entirely practical. The major part of the instruction will be in the Out Patient Department of the New York Nursery and Child's Hospital, but in addition, the students will attend ward rounds and have an opportunity to study hospital cases. During the latter part of the year there will be an elective course limited to a small number of students.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Clinics	31 hours	.....
Recitations	21 hours	.....
Sections	40 hours	.....
Clinical Clerkships .....	.....	48 hours
Elective .....	.....	60 hours

Text-books.—Holt, *Diseases of Infancy and Childhood*; Griffiths, *Diseases of Children*; Porter and Carter, *Management of the Sick Infant*.

Collateral Reading.—Still, *Common Disorders and Diseases of Childhood*; Hess, *Principles and Practice of Infant Feeding*; Morse and Talbot, *Diseases of Nutrition and Infant Feeding*.

SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY.

NEUROLOGY.

CHARLES L. DANA, M.D., *Professor of Clinical Medicine, Department of Neurology.*

FOSTER KENNEDY, M.D., *Professor of Clinical Medicine, Department of Neurology.*

THOMAS K. DAVIS, M.D., *Associate in Clinical Medicine, Department of Neurology.*

JUNIUS W. STEPHENSON, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

WALTER M. KRAUS, M.D., *Associate in Clinical Medicine, Department of Neurology.*

GEORGE H. HYSLOP, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

LEWIS STEVENSON, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

Instruction in neurological anatomy, physiology and chemistry is given by the respective departments in the first and second years.

Instruction in Neurology begins in the second semester of the Third Year with weekly clinical lectures and conferences. During this period optional instruction is also given to small groups in the college clinic under the direction of the Chief of Clinic. In the Fourth Year, the students are given clinical instruction in sections in the Neurological wards of Bellevue Hospital until the 1st of April. In the last two months of the Fourth Year optional courses in Neurology are given.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures .....	.....	.....
Clinics	21 hours	.....
Sections .....	.....	36 hours

Text-book.—Dana, *Diseases of the Nervous System.*

Collateral Reading.—Works on nervous diseases by Sachs, Starr, Church and Peterson, Jelliffe and White, Oppenheim, Bing, and Stewart.



SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY

PSYCHIATRY.

GEORGE H. KIRBY, M.D., *Professor of Clinical Medicine, Department of Psychiatry.*

JOSEPH P. EIDSON, M.D., *Instructor in Clinical Medicine, Department of Psychiatry.*

HENRY A. BUNKER, JR., M.D., *Instructor in Clinical Medicine, Department of Psychiatry.*

LELAND E. HINSIE, M.D., *Instructor in Clinical Medicine, Department of Psychiatry.*

ABRAHAM KARDINER, M.D., *Instructor in Clinical Medicine, Department of Psychiatry.*

Instruction in psychiatry is given in the third and fourth years. During the third year, first term, eleven lectures on psychopathology will serve as an introductory course to the study of clinical psychiatry. The students will become acquainted with the principles of abnormal psychology and their application in medical practice. During the second term the course in clinical psychiatry will begin with ten lectures dealing with the relation of psychiatry to general medicine, with special emphasis on the study of personality, borderline cases, psychoneuroses, psychopathic states and mental deficiency. There will also be given ten one-hour clinical demonstrations for the purpose of illustrating the types of cases discussed in the lectures. During the third term eleven lectures will be given dealing with the psychoses, their etiology, symptoms and treatment including their medico-legal aspects. Supplementing these lectures, eleven two-hour clinical demonstrations will be given on the wards of the Manhattan State Hospital, Ward's Island. The lectures and clinical presentations will afford the student an opportunity to become familiar with the examination, observation, diagnosis and treatment of mental disorders. Special emphasis will be placed on the earliest manifestations of mental diseases and their management while under the care of the general practitioner.

During the fourth year an elective course will be offered to a limited number of students. This will afford an opportunity for the personal examination and study of selected cases. Students may thus study in detail the evolution of symptoms and psychological mechanisms in various psychoneurotic and psychotic types. An opportunity will also be given for students to become familiar with the various psychometric tests which are used in establishing a diagnosis of mental deficiency.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures on Psychopathology	12 hours	.....
Lectures on Psychiatry	21 hours	.....
Clinics and Practical Exercises	32 hours	.....
Advanced Psychiatry .....	.....	(Elective)

CORNELL UNIVERSITY MEDICAL COLLEGE

UROLOGY.

EDWARD L. KEYES, M.D., *Professor of Clinical Surgery, Department of Urology.*

A. RAYMOND STEVENS, M.D., *Associate Professor of Clinical Surgery, Department of Urology.*

BENJAMIN S. BARRINGER, M.D., *Instructor in Clinical Surgery, Department of Urology.*

HOWARD S. JECK, M.D., *Instructor in Clinical Surgery, Department of Urology.*

MAX S. ROHDE, M.D., *Instructor in Clinical Surgery, Department of Urology.*

WILLIAM A. WILSON, M.D., *Instructor in Clinical Surgery, Department of Urology.*

LISLE B. KINGERY, M.D., *Instructor in Clinical Surgery, Department of Urology.*

THOMAS J. KIRWIN, M.D., *Instructor in Clinical Surgery, Department of Urology.*

PAUL M. BUTTERFIELD, M.D., *Instructor in Clinical Surgery, Department of Urology.*

ROY B. HENLINE, M.D., *Instructor in Clinical Surgery, Department of Urology.*

The courses in this department are required of students during the second, third and fourth year. They are designed to give instruction in diagnosis and treatment of the surgical diseases of the urinary and male genital organs.

Lectures.—Second Year. A course of eleven lectures will be given to the second-year class during the third term of the college session.

Section Teaching.—Second Year. The second-year class will be divided into sections of small size for instruction in the College Dispensary during the first and second terms.

Clinic.—Third Year. A two-hour clinic will be given in Bellevue Hospital during the second term by Professor Keyes. At this clinic typical cases are demonstrated and discussed by the students themselves.

Hospital Work.—Students who elect the course in the fourth year are assigned to clerkships in the wards of Bellevue Hospital and study the cases in the wards devoted to Urology continuously for one month.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Clinics .....	.....	20 hours	.....
Sections	10 hours	.....	.....
Lectures	11 hours	.....	.....
Clinical Clerkships .....	.....	.....	(Elective)

Text-book.—Keyes.

Collateral Reading.—Cabot, Thompson-Walker, Young, Lowsley and Kirwin.

SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY

DERMATOLOGY.

HANS J. SCHWARTZ, M.D., *Professor of Clinical Medicine, Department of Dermatology.*

J. FRANK FRASER, M.D., *Associate in Clinical Medicine, Department of Dermatology.*

ANDREW J. GILMOUR, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

RAY H. RULISON, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

ARTHUR F. KRAETZER, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

JOSEPH J. ELLER, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

Instruction in Dermatology and Syphilology will be given by Doctor Schwartz and his assistants. No teaching will be given didactically, but the cutaneous diseases will be demonstrated on the living subject. Abundance of material for such instruction is obtainable, and the student can thoroughly familiarize himself with the more common as well as with the rarer diseases of the skin by actual personal touch and observation. Attention is particularly paid to the diagnosis and the etiology of skin diseases, but their therapeutics also receive due consideration. Instruction will also be given in the intravenous and other forms of treatment by salvarsan and neosalvarsan.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Sections	10 hours	10 hours	Elective
Clinic	11 hours	22 hours	Elective

Text-books.—Stelwagon, *Diseases of the Skin*; Schamberg, *Diseases of the Skin and Eruptive Fevers.*

LARYNGOLOGY AND RHINOLOGY.

ARTHUR PALMER, M.D., *Acting Head of and Instructor in Clinical Surgery, Department of Laryngology and Rhinology.*

THOMAS A. MULCAHY, M.D., *Instructor in Clinical Surgery, Department of Laryngology and Rhinology.*

The head of the department gives instruction to the third year students by didactic lectures and clinical exercises. In this work he is assisted by the instructor and his other assistants. The lectures are illustrated by plates, models and stereopticon projections.

Each student is also individually instructed in the ordinary methods of examination of the nose and throat and shown the recent measures employed in laryngoscopy and bronchoscopy.

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SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	12 hours
Sections	10 hours	20 hours	Elective
Clinic .....	.....	.....	Elective

Text-books.—Wright and Smith, *Diseases of the Nose and Throat.*

Collateral Reading.—St. Clair Thomson, *Diseases of the Nose and Throat*; Knight, *Diseases of the Nose and Throat.*

OPHTHALMOLOGY.

BERNARD SAMUELS, M.D., *Assistant Professor of Clinical Surgery, Department of Ophthalmology.*

GEORGE W. VANDEGRIFT, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

CHARLES A. DRAKE, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

AQUIN S. KELLY, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

SAMUEL P. OAST, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

ALGERNON B. REESE, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

Instruction in Ophthalmology is given during the second and third years. The class is divided into small sections for work in the College Clinic. Each student receives individual instruction in the use of the ophthalmoscope. External diseases of the eye and anomalies of the ocular muscles are covered in a practical way. Some time is devoted to errors of refraction and the fitting of glasses.

During the first part of the year the professor of the department gives clinical lectures to the entire class, the patients coming from the College Clinic and the New York Eye and Ear Infirmary. These lectures are illustrated with stereopticon pictures.

Students may take Ophthalmology as an elective course, in the fourth year. An opportunity to witness operations, on the living, by the professor and the instructors, is provided at the New York Eye and Ear Infirmary. The histopathology of the eye is taught by microscopical sections prepared for the purpose.

SUMMARY.

	<i>Second Year.</i>	<i>Fourth Year.</i>
Sections	20 hours	.....
Clinic	11 hours	Elective

Text-book.—De Schweinitz.

Collateral Reading.—Fuchs, May.

SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY

OTOLOGY.

FREDERICK WHITING, M.D., *Professor of Clinical Surgery, Department of Otology.*

GEORGE B. MCAULIFFE, M.D., *Assistant Professor of Clinical Surgery, Department of Otology.*

GERVAIS W. MCAULIFFE, M.D., *Instructor in Clinical Surgery, Department of Otology.*

STEWART L. CRAIG, M.D., *Assistant in Clinical Surgery, Department of Otology.*

For clinical instruction in Otology the third-year class is divided into sections. Each student receives practical instruction in the College Dispensary from Professor Whiting and his assistants in the examination of patients, the use of the otoscope, and the various methods of testing the hearing. The student is permitted to examine patients and after a probationary period, to prescribe for them and thus gradually assume the duties of a clinical assistant. The students also have an opportunity of witnessing the more important operations in aural surgery, including intracranial complications, at the New York Eye and Ear Infirmary.

Lectures	Third Year. 10 hours
Sections	5 hours

Text-book.—Bacon, *On the Ear.*

Collateral Reading.—Politzer, *Diseases of the Ear*; Macewen, *Pyogenic Infective Diseases of the Brain and Spinal Cord*; Whiting, *The Modern Mastoid Operation.*

ORTHOPEDIC SURGERY.

CHARLTON WALLACE, M.D., *Professor of Clinical Surgery, Department of Orthopedic Surgery.*

ARTHUR H. CILLEY, M.D., *Assistant Professor of Clinical Surgery, Department of Orthopedic Surgery.*

IRVIN BALENZWEIG, M.D., *Instructor in Clinical Surgery, Department of Orthopedic Surgery.*

KRISTIAN G. HANSSON, M.D., *Instructor in Clinical Surgery, Department of Orthopedic Surgery.*

JOHN S. WARE, M.D., *Instructor in Clinical Surgery, Department of Orthopedic Surgery.*

Instruction in this department is carried on in the third and fourth years:

I. In the first term of the third year:

(a) Didactic and clinical lectures are given for one hour a week to the entire class in the college lecture room. Professors Wallace and Cilley.

(b) The students work in sections in the College Clinic for ten hours in the examination and treatment of patients. Prof. Cilley.

II. In the fourth year:

(a) Each section of the class receives bedside instruction in congenital and acquired deformities in the wards of the Hospital for the Ruptured and Crippled, two mornings each week for four weeks.

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(b) One morning a week for four weeks each section receives instruction in physiotherapy in reference to the treatment of industrial surgical conditions at the Hospital for Ruptured and Crippled.

(c) Students are taught methods of examination and are required to examine the patient, giving a concise resumé of the history, diagnosis and treatment to be employed in each case. Informal recitations and discussions are held for one hour following the case work.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	12 hours	.....
Sections	10 hours	.....
Ward Work .....	.....	36 hours
<i>Text-books.</i> —Whitman and Soutter's <i>Operative Orthopedics</i> .		

ROENTGENOLOGY.

HARRY M. IMBODEN, M.D., *Professor of Roentgenology.*

RAMSAY SPILLMAN, M.D., *Instructor in Roentgenology.*

WEBSTER N. BELDEN, M.D., *Instructor in Roentgenology.*

JOHN C. CARTY, M.D., *Instructor in Roentgenology.*

The course in this department consists of the demonstration of the apparatus and the method of making Roentgen examination of various portions of the body. The time is largely spent in considering the scope and accuracy of this method of diagnosis in all branches of medicine. This will include the study and interpretation of Roentgenograms showing foreign bodies, fractures, dislocations, and bone and joint lesions, renal, ureteral, and verical calculi and other lesions which can be detected Roentgenographically, including pyelography. Lesions of the skull, the study of the teeth, infections of the accessory sinuses, together with the Roentgeno-diagnosis of joint lesions produced by these infections will be considered. Respiratory lesions—abscesses, tumors of the lungs, mediastinal tumors—are carefully considered, special attention being devoted to the early diagnosis of pulmonary tuberculosis.

Lesions of the gastro-intestinal tract such as strictures and diverticula of the œsophagus, and growths. Particular emphasis will be given to the motor phenomena of the stomach; to the diagnosis of gastro-duodenal lesions such as carcinoma, ulcers of the stomach and duodenum; and to gall-bladder infection, with or without calculi.

As far as possible this work will be carried on in conjunction with the other clinical departments, all students having the opportunity of studying individual cases clinically before the Roentgenographic study, then comparing the clinical findings, the Roentgen findings, and if possible the surgical findings in such cases as require surgical procedure.

After having had demonstrated to them a series of plates on allied subjects the students are in turn required to re-interpret these Roentgenograms to the class. This method has proved exceedingly valuable and will be followed to a great extent.

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Finally, the course will conclude with lectures on Roentgeno-therapy covering the treatment of both superficial and deep-seated lesions, describing the cross-fire method, the advantage of high penetration with the Coolidge tube, and methods of dosage in the application of rays with or without filters.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures .....	.....	21 hours	Elective
Sections	10 hours	10 hours	.....

HYGIENE.

JOHN C. TORREY, Ph.D., *Professor of Hygiene.*

WALTER C. KLOTZ, M.D., *Assistant Professor of Hygiene.*

MORTON C. KAHN, Ph.D., *Instructor in Hygiene.*

Instruction in some of the many branches of hygiene and preventive medicine is given in connection with certain of the courses pursued in the several departments of Bacteriology, Chemistry, Physiology, Pathology and Medicine.

The more distinctive features of this subject, however, are presented in a course of lectures and demonstrations extending throughout the third year. A certain amount of laboratory work is required of each student in the first term. In addition time has been allotted for field work through which the student may acquire experience in making sanitary surveys and visit localities in the vicinity where the practical application of sanitary devices and hygienic methods may be observed.

It is also the aim of the department to take full advantage of the opportunities offered by the Clinic for instruction in the preventive aspects of medicine. Such close correlation is facilitated through the fact that the Assistant Professor is also director of the Cornell Clinic.

The laboratory is open to properly qualified students of the third or fourth years who may desire to pursue original investigations under the direction of the staff and in accordance with the regulations of the college office.

SUMMARY.

	<i>Third Year.</i>
Lectures and Conferences	42 hours
Laboratory Work	72 hours
Field Work	36 hours*

*Eleven afternoons are assigned for field experience.

Text-books.—Rosenau, *Preventive Medicine and Hygiene*; Park, *Public Health and Hygiene*.

Collateral Reading.—MacNutt, *Manual for Health Officers*; Wood, *Sanitation Practically Applied*; Chandler, *Animal Parasites and Human Disease*.

MEDICAL JURISPRUDENCE

OTTO H. SCHULTZE, M.D., *Professor of Medical Jurisprudence.*

A course of lectures from the standpoint of the medico-legal autopsy, with demonstration of material, will be given by Professor Schultze. This

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course will cover autopsy technique in medico-legal cases, the autopsy protocol, and laboratory methods for establishing the proof of the cause of death in cases of accident, suicide, and homicide; also, the forensic aspect of the subject in cases of indemnity, liability and criminal prosecution.

The clinical aspects of the subject are covered in the regular course of study by several departments and by special lectures. The responsibilities of the physician towards the insane and their relatives and the general public, and the medico-legal aspects of mental deficiency are discussed by Professor Kirby. In the course on Obstetrics, Professor Bailey takes up the moral and legal side of rape, feigned and unconscious pregnancy, what constitutes a "live birth," feigned or unconscious delivery, injury to the fœtus during precipitate labor, post-mortem delivery and the diagnosis of recent delivery. The medico-legal aspects of Toxicology are fully covered during the course in Pharmacology by Professor Hatcher.

MILITARY SCIENCE AND TACTICS.

WILLIAM H. ALLEN, M.D., *Major, M.C., U.S.A., Professor of Military Science and Tactics.*

This course is concurrent with the medical course, extending over a period of four years (two basic and two advanced), and is designed to prepare students for commissions in the medical section of the Officers' Reserve Corps upon graduation in medicine. Instruction embraces lectures and recitations, with graphic and stereopticon demonstrations at college one hour each week.

Summer Camps. One compulsory summer camp during the course is held at the Medical Field Service School, Carlisle, Pa., where actual field conditions are stimulated. The whole is calculated to touch every important phase of medico-military science.

At camp the student takes an actual part in the mimic enactment of the various rôles played by the medical service in campaign, of which the two chief functions are the salvage of the wounded and the prevention of disease.

Sanitation, sanitary devices and epidemiological methods in peace and war time are demonstrated. A generous portion of time is given to athletics, field and gymnasium. There is some drill, some mapping and sketching, with such social entertainment as a college town of 10,000 may provide.

SYNOPSIS OF COURSE.

1st Year. The elements of Medico-military science, including Personal Hygiene, First Aid, Customs of the Service, Articles of War and Court Martial, Organization and Administration, Food, Clothing, Equipment, Shelter.

2nd Year. Medical Tactics. The Medical Soldier in War. Hygiene and Sanitation of Troops and battle areas. The Medical Regiment. First Aid, Shock, Hemorrhage, Gas, Evacuation and Transportation methods for wounded.



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3rd Year. The essentials of Military Hygiene and Sanitation. Water purification (in peace and war); Disposal of Wastes (in peace and war); Hygiene of Moving Troops; the Train, the Ship, the March.

Communicable diseases (in peace and war); Detection; Isolation; Prevention Methods. Sanitation: Garrison and Field. Inspections. Sanitary devices.

4th Year. Hospitals and Hospitalization (in peace and war); Development of hospitals; Construction; Equipment; Procurement; Government; Service and Practice; Interior Economy; Rules and Regulations.

Administration.

Special War Wounds; War Surgery; Chemical Warfare; War Diseases.

In the advanced Course the Government gives the student the money value of a ration which has usually amounted to about \$9.00 per month. There is an allowance of 70 cents per diem at the Summer Camp, with a ration, and the transportation from College or home to Camp and return, or 5 cents a mile, in lieu of Government transportation.

CORNELL UNIVERSITY MEDICAL COLLEGE

**FOURTH YEAR ELECTIVES.
SESSION OF 1926-1927**

April 4th to May 28th, 1927

Students will register their courses at the Secretary's office on or before March 1st.

A. ANATOMY.

- I. General Histology. Dr. Chambers. 2 months. Mondays, Wednesdays, Fridays, 9-12. 3-6 students.
- II. Experimental Cellular Biology. Drs. Chambers and Reznikoff. 2 months. Full time desirable. Applicants should have special interest in the physico-chemical aspects of living tissues. The work consists in co-operating in research. 1-2 students.
- III. Anatomy of the Infant. Dr. Stockard. 2 months. Mondays, Wednesdays, Fridays, 2-5 P.M. 1-4 students.
- IV. Experimental Embryology. Dr. Stockard. 2 months. Tuesdays, 2-3 P.M. Not less than 6 students.
- V. Regional Anatomy. Dr. Morrill. 1 month, April or May. 6-10 students per month.
- VI. Applied Anatomy. Dr. Sneed. 1 month, April. Tuesdays and Thursdays, 3-5 P.M.

Py. PHYSIOLOGY.

- I. Calorimeter Investigation. Dr. Lusk. April only. 4 weeks. 9 A.M.-1 P.M. daily. 2 students.
- II. Electrocardiography. Dr. Edwards. 12 weeks. 1-5 P.M. daily. 1-4 students.

C. CHEMISTRY.

- I. Chemical Pathology. Selected work in Blood Analysis. Dr. Benedict. 1 month, April only. Tuesdays and Thursdays, 10-1. 6-10 students. (Students must secure the approval of Dr. Benedict in advance of registration.)

Pr. PHARMACOLOGY.

- I. Pharmacology of Cardiac Drugs. Drs. Hatcher and Gold. 2-week periods. Monday, Wednesday, Friday, 2-5 P.M. 4-12 students. Laboratory work with conferences. The course is intended to aid the student in the therapeutic use of various drugs in this group.

M. MEDICINE.

- I. Clinical Clerks. Drs. Conner, Foster and Stillman. New York Hospital. 1 month periods. Daily, all day. 5 students.
- II. Physical Diagnosis of Diseases of the Chest. Dr. Ryder. Bellevue Hospital. April or May. Tuesday and Thursday, 2-5 P.M. Students are expected to spend at least two mornings per week preparing cases. Open to fourth year students and graduates. 5 students.

FOURTH YEAR ELECTIVES

- III. Advanced Course in Metabolism Methods. Drs. DuBois, Richardson, Hannon and Shorr. Bellevue Hospital. The hours and work in this course will be arranged, if possible, according to the free time of the students. Instruction will be given in the technique of basal metabolism determinations by various methods including some work with the respiration calorimeter. Students will be instructed in the planning of diets and the methods of conducting metabolism experiments. Each student is expected to take part in some original investigation. 1 or 2 months. Daily, one-half day. 4 students.
- IV. Fluoroscopy of the Gastro-Intestinal Tract. Dr. Holland. New York Hospital. 1 month periods. Tuesday and Friday, 4-6 P.M. 6 students.
- V. Electrocardiography and Polygraphy. Interpretation of the electrocardiogram and the use of the polygraph and the interpretation of its records. Dr. Pardee. New York Hospital. 1 month periods. Monday and Friday, 3-5 P.M. 5 students.
- VI. Diagnosis and Treatment of Heart Failure. Dr. Eggleston. Bellevue Hospital. 1 month periods. Monday and Wednesday. 2 to 5 P.M. 6 students. Students are expected to devote some additional time to the preparation of cases and the study of literature.
- VII. Physical Diagnosis of the Chest. Dr. Evelyn Holt. New York Hospital. 1 month periods. Monday and Wednesday, 2-4 P.M. 6 students. (By special arrangement Friday, 2-4 P.M. may be substituted for either Monday or Wednesday.)
- VIII. Clinical Course in Asthma and Hay Fever. Dr. Baldwin. At the Cornell Clinic. Tuesdays, 1:30 to 4:00 and 5:00 to 7:30. 2 groups, 2 students each, 2 months.

CP. CLINICAL PATHOLOGY.

- I. Advanced Clinical Pathology, Wednesday and Friday, 11-1. One month periods. Dr. W. C. Thro. Icterus Index. Fungi found in skin diseases. Determination of bicarbonate content of blood. Preparation of vaccine. Spinal fluid examination. Dark field examination. Parasites in blood and feces.

S. SURGERY.

- I. Clinical Clerks. Drs. Santee and Dudley. Bellevue Hospital. 1 month periods. All day. 4 selected students.
- II. Surgical Pathology. Dr. Symmers. Bellevue Hospital. Laboratory and wards. 1 month. Daily, 2-4 P.M. 6 students.
- III. Clinical Clerks. Dr. Gibson. New York Hospital. 1 month periods. All day. 4 students.
- IV. Dispensary Course. New York Hospital. Drs. Farr, Weeden and Cornell. (Clinical course in fractures of upper extremity, minor surgery, "accident" surgery, and care and treatment of post-operative wounds.) Length of course 4 weeks. Time:—Tuesday, Thursday and Saturday, 9 to 12. 8 students.

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- V. Surgical Diseases in Children. St. Mary's Hospital. Dr. Farr. Mondays, 9 to 12. One month periods. 4 students.
- VI. Surgical Diagnosis and Minor Surgery. Dr. Patterson. Daily except Saturday, 1:30-4:00 P.M. and Tuesday and Friday, 5:00-7:00 P.M. 1 month periods. 3 students.
- VII. Surgical Research. Dr. Sweet. 12 demonstrations and practical exercises in the theory of modern clinical procedures. 1 month periods, 3 times a week, A.M. or P.M., as announced.
- Ob. OBSTETRICS.**
- I. Clinical Clerkship in Obstetrics. Drs. Bailey and Williamson. Berwind Maternity Clinic and Bellevue Hospital. 1 month periods. Full time or 7 A.M.-7 P.M. 15 students. (See page 53 for description.)
- Pt. PATHOLOGY.**
- I. Tumor Diagnosis. Dr. Ewing. 2 months, 5 days; 1-5 P.M. daily, except Saturdays. 5 students.
- II. Pathological Thesis. Dr. Ewing. 2 months. All day, except Saturday. Saturday, 9 A.M.-12 M. 5 students.
- III. Gynecological Pathology. Dr. L'Esperance. 1 month. Monday, Wednesday, Friday, 3 to 5 P.M.
- IV. Neuropathology. Dr. Stevenson. 1 month. Hours to be arranged with the Instructor. 6 students.
- B. BACTERIOLOGY.**
- I. Clinical Course in Human Hypersensitiveness.
(Asthma, hay-fever, urticaria, angio-neurotic edema, food and drug idiosyncrasies.) At the New York Hospital. Evenings at 8 P.M. as assigned. Dr. Cooke.
- (1) Technique of the cutaneous test.
- (2) Interpretation of the local reaction.
- (3) History taking in atopic cases.
- (4) Diagnosis and Treatment.
- Note—This course is given twice weekly in the evening.
- N. NEUROLOGY.**
- COURSES IN NEUROLOGY AND NEURO-ANATOMY.**
ONE-MONTH PERIODS.
- I. Neurology: clinics at Cornell Dispensary Monday, Tuesday, Thursday, 1 to 3 P.M.
- II. Neurology: Bellevue Hospital. Dr. Kennedy and Assistants. Two days weekly, 10 A.M. to 12 M., and every afternoon in the Neurological Wards.
- III. Neurological Clinic. Neurological Institute. One day, 2-5 P.M. Dr. Junius W. Stephenson.
- Students who desire additional Neurology can make arrangements with the teachers.
- Students can take such parts of this course as they choose, except that it is imperative that they take at least the afternoon course at the College Clinic.

FOURTH YEAR ELECTIVES

Ps. PSYCHIATRY.

- I. Clinical psychiatry, with special reference to incipient and border line cases in relation to general practice. Dr. Edison and assistants. For groups of 6 students at the College Dispensary 3 forenoons a week, Monday, Wednesday and Thursday, 9 to 11 A.M. for 1 month.
- II. Clinical psychiatry, examination of hospital cases with opportunity to study different types of psychoses. Drs. Kirby, Bunker and Hinsie. For 6 students, at the Psychiatric Institute. Ward's Island, Monday, Wednesday and Friday, 9 A.M. to 12 M., for 1 month.

Pd. PEDIATRICS.

- I. Clinical Pediatrics. Drs. Schloss, Schroeder, Sammis and Hoag. New York Nursery and Child's Hospital daily 9 A.M. to 5 P.M. for periods of 1 month. Limited to 3 or 4 students.
- II. Clinical Pediatrics. Dr. Stimson.
 - (a) Cornell Clinic, Mondays 1:30-4; Wednesdays and Fridays 10-12:30. Malnutrition in older children. Unusual conditions for diagnosis and treatment.
 - (b) Willard Parker Hospital, Tuesdays 1:30-3:30 and Thursdays 1:30-3:30. The students will assist in the work of the third year clinics.

G. GYNECOLOGY.

- I. Clinical Gynecology. Dr. Ward. Woman's Hospital. 1 month periods. Daily, as scheduled below. Work conducted in Wards, Operating Room, Laboratory and O.P.D. Preparation of a thesis or special research problem. 4 selected students.

A. FIRST TWO WEEKS.

Monday.

- | | |
|-------------------------|------------------------|
| 9-12. Operative Clinic. | 2-4. Operative Clinic. |
| 12- 1. Study. | 4-5. Pathological Lab. |

Tuesday.

- | | |
|---------------------------|------------------------|
| 9-11. Pathological Lab. | 2-5. Operative Clinic. |
| 11-12:20. Cystos. Clinic. | |

Wednesday.

- | | |
|-------------------|------------------------|
| 9-10. O. P. D. | 2-4. O. P. D. |
| 10-11. Follow-up. | 4-5. Pathological Lab. |
| 11- 1. Study. | |

Thursday.

- | | |
|---------------------------|-------------------------------|
| 9-11. Pathological Lab. | 2-4. Operative Clinic. |
| 11-12:30. Cystos. Clinic. | 4-5. Pathological Lab. |
| | 5 Conference, Surgical Staff. |

CORNELL UNIVERSITY MEDICAL COLLEGE

Friday.

- | | |
|-------------------------|------------------------|
| 9-11. Operative Clinic. | 2-5. Operative Clinic. |
| 11-12. Conference. | |
| 12- 1. Study. | |

Saturday.

- | | |
|----------------|---------------|
| 9-11. O. P. D. | 2-3. O. P. D. |
| 11- 1. Study. | |

B. SECOND TWO WEEKS.

Monday.

- | | |
|--------------|------------------------|
| 9- 1. Wards. | 2-4. Operative Clinic. |
| | 4-5. Pathological Lab. |

Tuesday.

- | | |
|--------------|------------------------|
| 9- 1. Wards. | 2-5. Operative Clinic. |
|--------------|------------------------|

Wednesday.

- | | |
|--------------|------------------------|
| 9- 1. Wards. | 2-4. O. P. D. |
| | 4-5. Pathological Lab. |

Thursday.

- | | |
|--------------|-------------------------------|
| 9- 1. Wards. | 2-4. Operative Clinic. |
| | 4-5. Pathological Lab. |
| | 5 Conference, Surgical Staff. |

Friday.

- | | |
|--------------------|------------------------|
| 9-10. Wards. | 2-5. Operative Clinic. |
| 10-11. Conference. | |
| 11- 1. Study. | |

Saturday.

- | | |
|--------------|---------------|
| 9- 1. Wards. | 2-3. O. P. D. |
|--------------|---------------|

- II. Clinical Gynecology. Dr. McGrath, Cornell Clinic. 1 month periods.
Daily, 1-4 P.M. 3 students.

D. DERMATOLOGY.

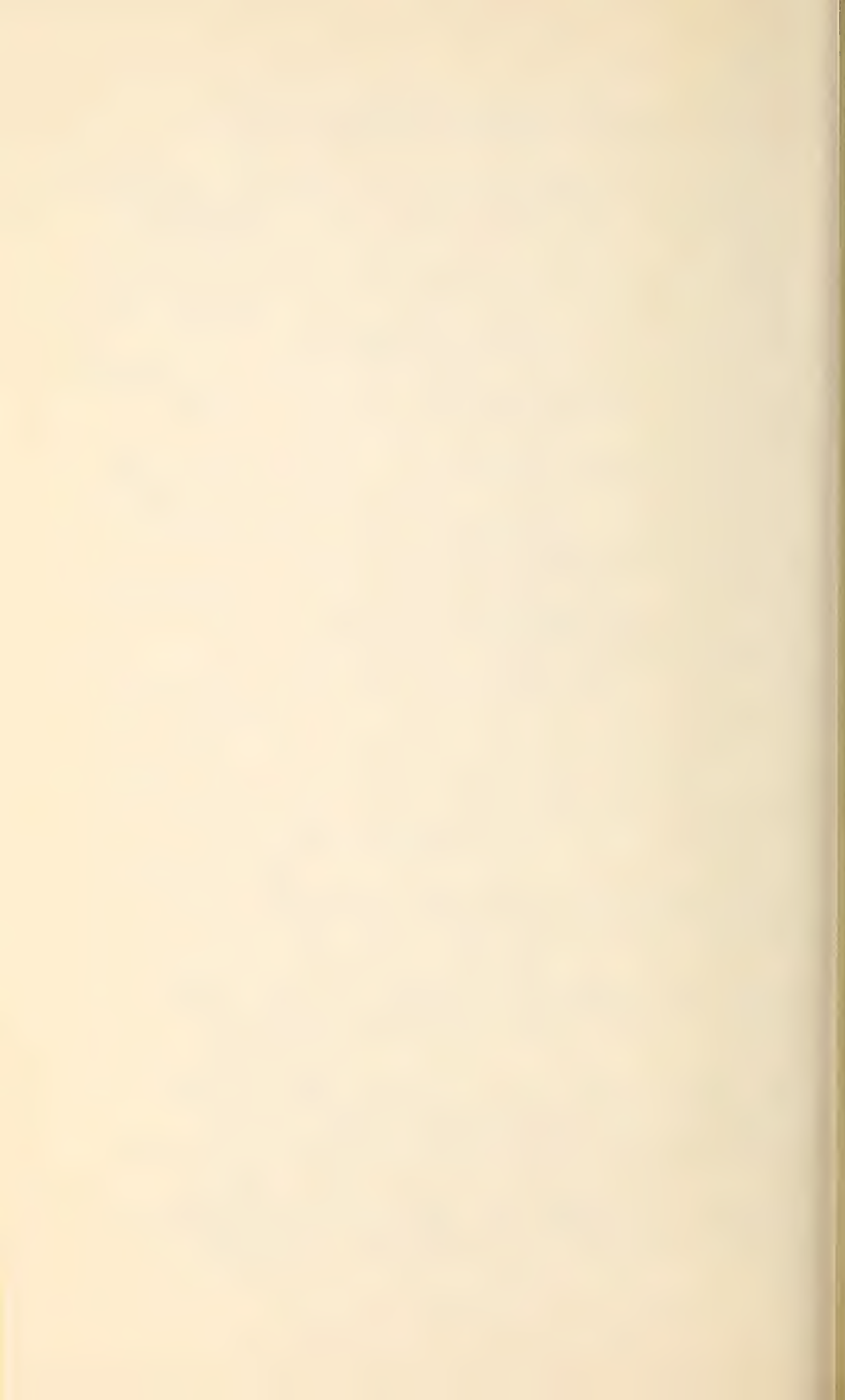
- I. Clinical Dermatology and Salvarsan Administration. Drs. Schwartz, Frazer, Rulison, Gilmour, Kraetzer and Eller. 1 month periods. Daily, 1:30-4 P.M. 6 students.

L. LARYNGOLOGY.

- I. Clinical Courses in Laryngology and Rhinology. Drs. Palmer and Mulcahy. 1 month periods. Daily, 1:30-4 P.M. College Clinic. 3 students.

Op. OPHTHALMOLOGY.

- I. Operative Ophthalmology. Dr. Samuels. N. Y. Eye and Ear Infirmary. 1 month periods. Wednesday, 2-6 P.M. 20 students.
- II. Ophthalmoscopy and Refraction. Dr. Drake. N. Y. Eye and Ear Infirmary. Mondays and Fridays, 2-4 P.M. 1 month periods. 6 students.
- III. Ophthalmoscopy and Refraction. Dr. Samuels. N. Y. Eye and Ear Infirmary. 1 month periods. Mondays and Fridays. 2-4 P.M. 6 students.



FOURTH YEAR ELECTIVES

- IV. Ophthalmoscopy and Refraction. Dr. Vandegrift. Cornell Dispensary. 1 month periods. Mondays, Wednesdays, and Fridays. 2-4 P.M. 6 students.
- V. Ophthalmoscopy and Refraction. Dr. Oast. N. Y. Eye and Ear Infirmary. 1 month periods. Mondays and Fridays, 2-4 P.M.
- VI. Ophthalmoscopy. Dr. Kelly. N. Y. Eye and Ear Infirmary. 6 weeks periods. Mondays and Fridays, 2-4 P.M. 10 students.
- VII. Operative Ophthalmology. Dr. Kelly. N. Y. Eye and Ear Infirmary. 1 month periods. Wednesdays, 2-6 P.M. 20 students.
- VIII. Clinical Ophthalmology. Dr. Samuels, Cornell Clinic. Tuesdays and Thursdays, 1-4 P.M. 6 students.
- IX. Ophthalmoscopy. Dr. A. B. Reese. N. Y. Eye and Ear Infirmary. Mondays and Fridays, 2-4 P.M. 10 students.
- X. Ophthalmoscopy and Refraction. Dr. Oast. Cornell Clinic, Tuesdays and Thursdays, 1-4 P.M. 6 students.

Ot. OTOLOGY.

- I. Otology. Dr. Whiting. N. Y. Eye and Ear Infirmary. 1 month periods. Mondays, Wednesdays and Fridays, 2-3 P.M. 5 students.
- II. Otology. Dr. McAuliffe. College Clinic. 1 month periods. Daily, 2-4 P.M. 3 students.

Or. ORTHOPEDICS.

- I. The Orthopedic Department of the Hospital for Ruptured and Crippled on Mondays, Wednesdays and Fridays, from 3:30-5 P.M. Doctors Wallace and Balenzweig. 10-12 students.
- II. The College Clinic. Mondays, Wednesdays and Fridays, 1-4 P.M. 2 students for 1 month periods. Dr. Cilley.

H. HYGIENE.

- I. Laboratory Methods and Procedures. Drs. Torrey and Kahn. Loomis Laboratory. Daily, 1 to 5 P.M., for 2 months. 2 students.

U. UROLOGY.

- I. Minor Urology. Dr. Wilson, College Clinic. 1 month periods. Daily, 1-4 P.M. 8 students.
- II. Major Urology. Drs. Stevens and Jeck. Bellevue Hospital, Ward K4, 8:30 A.M. to 5 P.M., daily. Diagnosis and Treatment of Surgical Urological conditions. 1 month. 6 students.

N.B.—Courses I. and II. may be combined.

- III. Minor Urology and Elementary Cystoscopy. Dr. Wilson, as in Course I. 2 months, April and May. Daily, 2 to 4 P.M. 4 students.
- IV. Diagnosis and Treatment of Neoplasms of the Urinary and Male Genital Tracts. Dr. Barringer. Memorial Hospital. Subject to special arrangement with instructor.

NOTE—In addition to the above, students will often be able to arrange individual work on application to the heads of Departments.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

SCHEDULE OF COURSES

FIRST YEAR—SESSION OF 1926-1927—FIRST TERM

September 28th to December 18th.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	A N A T O M Y					
10						
11						
1	Anatomy (Histology and Embryology)	Chem. L.	Anatomy (Histology and Embryology)	Chem. L.	Anatomy (Histology and Embryology)	
2		Anatomy		Chem. Lab.		
3						
4		Military Science L.				
5						

FIRST YEAR—SESSION OF 1926-1927—SECOND TERM

January 3rd to March 12th.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	Anatomy (Histology and Embryology)			Anatomy	Anatomy (Histology and Embryology)	
10						
11						
1	Anatomy	Chem. L.	Anatomy	Chem. L.	Anatomy	
2						
3		Chem. Lab.		Chem. Lab.		
4				Military Science L.		

FIRST YEAR—SESSION 1926-1927—THIRD TERM

March 14th to May 28th.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	Chem. L.	Physiol. L.	Chem. L.	Physiol. L.		Physiol. L.
10					Chem. R.	
11	Chem. Lab.	Physiol. Lab.	Chem. Lab.	Physiol. Lab.	Physiol. Lect.	Physiol. Lab.
12						
2	Anatomy (Neuro-Anat.)	Physiol. R.	Anatomy (Neuro-Anat.)	Physiol. R.	Anatomy (Neuro-Anat.)	
3		Military Science L.				
4						

Abbreviations.—L., lectures; Lab., laboratory; Rec., recitations; Sec., section (the class being assigned to two or more divisions for certain exercises); B. H., Bellevue Hospital (Second Division); B. H. 4, Bellevue Hospital (Fourth Division); B. M. C., Berwind Maternity Clinic; C. D., College Dispensary; Man. Mat., Manhattan Maternity Hospital; Mem. H., Memorial Hospital; N. C., New York Nursery and Child's Hospital; N. Y., New York Hospital; O. P. D., Bellevue Hospital, Out Patient Department; R. & C., Hospital for the Ruptured and Crippled; St. L., St. Luke's Hospital; St. M., St. Mary's Hospital; W. I., Ward's Island, Manhattan State Hospital; W. P., Willard Parker Hospital.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

SECOND YEAR—SESSION OF 1926-1927—FIRST TERM

September 28th to December 18th

	Monday		Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Physiology Lect. †	Anatomy *	Physiology Lect. †	Physiology Lect. †	Physiology † Lect.	Physiology	Surgery Clinic	9
10	Physiology Lab. †		Pathology Lab.	Physiology Lab.†	Pathological Anatomy	Physiology Lab.†	B. H.	10
11							Pathology Lab.	Surgery Rec.	Pathology	11
12								
1			Military Sci. Lect.** Prof. Allen					1
2	Physiology Rec. †		Surgery Lect.	Physiology Rec. †		Physiology Seminar †		2
3	Medicine Clinic N. Y. ‡		Physical Diagnosis Lect. and Demonstr.	Medicine Clinic B.H. (Pathological Physiology)		Medicine Lect. (Path. Physiol.)		3
4								4
5								5

*Last three weeks only.

†First nine weeks only.

§First six weeks only.

**Elective.

SECOND YEAR—SESSION OF 1926-1927—SECOND TERM

January 3rd to March 12th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9		Sections (See Schedule I)	Pathology Laboratory	Sections (See Schedule I)	Pathology Laboratory	Sections (See Schedule I)	9
10	Pathology Laboratory						10
11			Pathological Anatomy		Medicine Rec.		11
12							12
1		Military Sci. Lect.** Prof. Allen					1
2	Bacteriology Laboratory						2
3							3
4							4
							5

**Elective.

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For abbreviations see page 74.

SECOND YEAR—SESSION OF 1926-1927—THIRD TERM

March 14th to May 28th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Pharmacology Laboratory	Surgery Clinic St. L.	Pathology Laboratory	Pharmacology Laboratory	Surgery Clinic, B. H.	Pathology Laboratory	9
10					Pathology Laboratory		10
11						Pathological Anatomy	11
12							12
1	Medicine Clinic B. H.		Military* Science Lect. Prof. Allen	Urology Lect.	Dermatology Clinic		1
2	Sections { Bacteriology { A to E, March 14 to April 23 College Clinic F to J, March 14 to 19 and Apr. 25 to May 28 F to J, March 21 to April 23 A to E, April 25 to May 28						2
3							3
4		Medicine Rec.		Ophthalmology Clinic			4
5							5

*Elective.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 74.

THIRD YEAR—SESSION OF 1926-1927—FIRST TERM

September 28th to December 18th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Pathology Laboratory	Hygiene Lab.	Medicine Lect. Prof. Conner	Hygiene Lab.	Pathology Laboratory	Hygiene Lab.	9
10			Medicine Rec.				10
11	Medical Clinic C. D.	Clinical Pathology				Obstetrics Rec.	11
12						Surgery Rec.	12
1							1
2	Hygiene Field Excursion	Ophthalmology Clinic Prof. Reese	Military† Science Prof. Allen	Orthopedic† Lect. Prof. Wallace	Pharmacology Prof. Hatcher		2
3		Pharmacology Lect. Prof. Hatcher		Pharmacology Lect. and Lab.	Dermatology Clinic Prof. Schwartz		3
4		Obstetrics Lect. Prof. Bailey		Rec.	Psychiatry Clinic Prof. Kirby		4
5							5

†Elective

THIRD YEAR—SESSION OF 1926-1927—SECOND TERM

January 3rd to March 12th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Surgery Lect. Prof. Gibson	Surgery Sections *	Medicine Lect. Prof. Conner	Pediatrics Clinic, N. & C. Prof. Schloss	Hygiene Lect.	Urology Clinic B.H. Prof. Keyes	9
10	Pediatric Rec.	St. L.	Medicine Rec.		Obstetrics Lect. Prof. Bailey		10
11	Operative Surgery	Surgery Sections * Mem. H.	Hygiene Lect.	Psychiatry Clinic Prof. Kirby	Operative Surgery	Psychiatry Lect. Prof. Kirby	11
12			Military† Science Lect. Prof. Allen	Surgery Rec.		Surgery Rec.	12
1							1
2	S E C T I O N S (See Schedule III)						2
3							3
4	Roentgenology Lect. Prof. Imboden	Obstetrics Rec.	Dermatology Clinic Prof. Schwartz	Otology Lect. or Clinic Prof. Whiting	Neurology Clinic Prof. Kennedy		4
5							5

*Sections A to E take Surgery the first half term, Pathological Anatomy the second.

Sections F to J take Surgery the second half term, Pathological Anatomy the first. Sections change 9 A.M.,

Feb. 8, 1927.

†Elective

For abbreviations see page 74

THIRD YEAR—SESSION OF 1926-1927—THIRD TERM

March 14th to May 28th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Surgery Lect. Prof. Gibson	Psychiatry Clinic, W. I.	Hygiene Lect.	Pediatrics Clinic, N. C.	Surgery Clinic, N. Y.	Military† Science Lect. Prof. Allen	9
10	Pediatrics Rec.	Prof. Kirby	Medicine Rec.	Prof. Schloss	Prof. Gibson	Hygiene Lect.	10
11	Surgery Rec.		Medicine Clinic, C. D. Prof. Conner		Obstetrics Lect.	Psychiatry Lect. Prof. Kirby	11
12	Surgery Lect. Dr. Hitzrot				Therapeutics Prof. Goodridge	Surgery Rec.	12
1							1
2	S E C T I O N S						2
3							3
	(See Schedule III)						
4	Röntgenology Lect. Prof. Imboden	Obstetrics Rec.		Laryngology Lect.	Neurology Lect. Prof. Kennedy		4
5							5

†Elective

Note: The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page :





FOURTH YEAR—SESSION OF 1926-1927

September 28th, 1926 to March 26th, 1927.

	Medicine		Surgery		Neurology B. H. M. F. 2.5 P.M. Wed. 9.12 M.	Pediatrics N. C. Tu. Th. S. 9 A.M. 1 P.M.	Orthopedics R. S. C. M.— M. F. 9 A.M.—12 M. Wed. 2.5 P.M.	Obstetrics B. M. C. and Gynecology Wom. Hosp.	Elective† T. Th. S. 2.5 P.M.
	N. Y.	B. H.	N. Y.	B. H.					
September 28 to October 23	A	D	F	C	E	E	E	(See opposite page for assignments.)	E
October 25 to November 20	B	E	D	A	F	F	F		F
November 22 to December 18	C	F	E	B	D	D	D		D
January 3 to 29	D	A	C	F	B	B	B		B
January 31 to February 26	E	B	A	D	C	C	C		C
February 28 to March 26	F	C	B	E	A	A	A	A	A
March 29 to April 3	Examinations in all subjects.								

†Students desiring electives will first consult the head of department and then register at the Secretary's office four weeks in advance for Elective work on Tuesday, Thursday and Saturday P.M.

NOTE: The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 73.

FOURTH YEAR SECTIONS in Gynecology and Obstetrics

Session of 1926-1927

			Obstetrics Section, B. M. C. full time*	Gynecology Section Wom. Hosp. 9 A.M.—5 P.M.
September	26th to October	9th	B ₂	B ₁
October	10th to October	23d	B ₁	B ₂
October	24th to November	6th	C ₂	C ₁
November	7th to November	20th	C ₁	C ₂
November	21st to December	4th	A ₂	A ₁
December	5th to December	18th	A ₁	A ₂
December	19th to January	1st		
January	2d to January	15th	E ₁	E ₂
January	16th to January	29th	E ₂	E ₁
January	30th to February	12th	F ₁	F ₂
February	13th to February	26th	F ₂	F ₁
February	27th to March	12th	D ₁	D ₂
March	13th to March	26th	D ₂	D ₁

*Students report at 9 A.M. on the first day of each assignment.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 74.

FOURTH YEAR—SESSION OF 1926-1927

April 4th to May 28th, 1927.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	<p style="text-align: center;">ELECTIVES</p> <p>Students will register their courses at the College office on or before March 1st</p> <p>(No course can be dropped without written permission from heads of all departments concerned, and the Dean.)</p> <p>Students will take work in Pathological Anatomy (Autopsies) as posted on Bulletin Board.</p> <p>Abbreviations.—Lab., laboratory; Rec., recitations; Sec., section (the class being assigned to two or more divisions for certain exercises); B. H., Bellevue Hospital (Second Division); B. H. 4, Bellevue Hospital (Fourth Division); B. M. C., Berwind Maternity Clinic; C. D., College Dispensary; H. S., Hudson Street House of Relief; Man. Mat., Manhattan Maternity Hospital; N. C., New York Nursery and Child's Hospital; N. I., Neurological Institute, N. Y., New York Hospital; O. P. D., Bellevue Hospital, Out Patient Department; Recn. H., Reconstruction Hospital; R. & C., Hospital for the Ruptured and Crippled; St. L., St. Luke's Hospital; St. M., St. Mary's Hospital; W. I., Ward's Island, Manhattan State Hospital; W. P., Willard Parker Hospital.</p> <p><i>NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.</i></p>					
10						
11						
12						
1						
2						
3						
4						
5						

DETAIL SCHEDULE OF SECOND AND THIRD YEARS SECTION CLASSES

SESSION OF 1926-1927

NOTE: Section periods in each instance include both dates. Sections are designated by letters a figure following indicates a half section.

Section Schedule I. SECOND YEAR—SECOND TERM—JANUARY 3rd TO MARCH 12th, 1927

"Hospital Sections"	Jan. 4-20	Jan. 22—Feb. 5	Feb. 8-24	Feb. 25—Mar. 12
Surgery, 9-10.30 A.M. Tues. & Sat., B.H.; Thur., St.M.	A B C ₁	C ₂ D E	F G H ₁	H ₂ I J
Medicine, 9-11 A.M. Tues., Thur. & Sat., B.H.	C ₂ D E	F G H ₁	H ₂ I J	A B C ₁
Medicine, 9-11 A.M. Tues., Thur. & Sat., N. Y.	F G H ₁	H ₂ I J	A B C	C ₂ D E
Medicine, 9-11 A.M. Tues., Thur. & Sat., B.H. IV	H ₂ I J	A B C ₁	C ₂ D E	F G H ₁

The numerals 1 or 2 after a section letter indicate the 1st or 2d half section.

Section Schedule II SECOND YEAR—THIRD TERM—MARCH 14th TO MAY 28th, 1927

"Cornell Clinic Sections"		Monday 2.30-4.30 P.M.	Tuesday 2—4 P.M.	Wednesday 2—4 P.M.	Thursday 2—4 P.M.	Friday 2—4 P.M.
Dermatology	March 21—April 23	F	G	H	I	J
	April 25—May 28	A	B	C	D	E
Laryngology	March 21—April 23	J	F	G	H	I
	April 25—May 28	E	A	B	C	D
Urology	March 21—April 23	I	J	F	G	H
	April 25—May 28	D	E	A	B	C
Ophthalmology	March 21—April 23		H-I		J-F	G
	April 25—May 28		C-D		E-A	B
Roentgenology	March 21—April 23		G-H F*	I-J		
	April 25—May 28		A* B-C	D-E		

*Tues. 5-6 P. M.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 74.

SECTION SCHEDULE III
THIRD YEAR—SECOND AND THIRD TERMS
January 3rd to May 28, 1927

Term II, Jan. 3—Mar. 12						Term III, Mar. 14—May 27				
	Mon.	Tues.	Wed.	Thurs.	Fri.	Mon.	Tues.	Wed.	Thurs.	Fri.
Medicine, C.D., 2-4 P.M.	A	B	C	D	E	F	G	H	I	J
Dermatology, C.D., 2-3 P.M.	B	C	D	E	A	G	H	I	J	F
Laryngology, C. D., 3-4 P.M.	B	C	D	E	A	G	H	I	J	F
Pediatrics N.C., 1.30-3.30 P.M.	C	D	E	A	B	H	I	J	F	G
Obstetrics, (Manikin Sec.) 3-4 P.M.	D J		A		C G	I E		F		H B
Gynecology, C.D., 2-4 P.M.*	E ₁ E ₂	A ₁ A ₂	B ₁ B ₂	C ₁ C ₂	D ₁ D ₂	J ₁ J ₂	F ₁ F ₂	G ₁ G ₂	H ₁ H ₂	I ₁ I ₂
Orthopedics, C.D., 2-4 P.M.*	E ₂ E ₁	A ₂ A ₁	B ₂ B ₁	C ₂ C ₁	D ₂ D ₁	J ₂ J ₁	F ₂ F ₁	G ₂ G ₁	H ₂ H ₁	I ₂ I ₁
Otology, C.D., 2-3 P.M. (5 times only, beginning, Jan. 24 and April 4.	D	E	A	B	C	I	J	F	G	H
Obstetrics, B. H. or Man. Mat.)† 2-4 P.M.	G H		I J		F	B C		D E		A
Pediatrics, W. P. 1.45 to 3.45 P.M.‡		G I		F H J			B C		A D E	
Roentgenology 1.30-2.30 P.M.	I J F ₁		F ₂ G H			D E A ₁		A ₂ B C		

*Each half section takes 5 weeks only—Sections change at 9 A.M., Feb. 7 and April 18, 1927.

†Two sections at one time on Mondays and Wednesdays.

‡First three exercises at the College, thereafter at W. P. Hospital.

Sections G, I, F, H and J report at the College Thursdays only Jan. 3 to 24, thereafter at W. P. Hospital, G and I on Tuesdays, F, H and J on Thursdays, as scheduled.

Similarly sections B, C, A, D and E report at the College Thursdays only, March 14 to April 4; thereafter at W. P. Hospital, E and C on Tuesdays, A, D and E on Thursdays, as scheduled.

NOTE: The faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 74.

EXAMINATIONS AND ADVANCEMENT IN COURSE.

I. Advancement.—Students are advanced in course from one year to the next upon recommendation by heads of departments after examination in the work of that year, but examinations may, at the discretion of the Head of the Department, include all the work previously covered in the year or years preceding the examination in question. There is, however, no unnecessary repetition of subjects taught from year to year.

II. Examinations.—Examinations for advancement in course, graduation and admission to advanced standing are held at the close of the year, except that in each course extending through a part of the year only, the examination may be held at the close of the course.

A grade of 75 per cent. is required to pass; a student failing to pass is either conditioned or dropped (see subjects of examinations, etc., pages 84 to 85).

A conditioned student may be re-examined in September. A student who has been conditioned and has failed on re-examination shall be automatically dropped from the College.

A dropped student shall not be re-examined nor shall he be re-admitted to this College.

III. Record of Grades.—At the completion of a final examination at the end of a course the grades of each student are to be promptly compiled and submitted by the examiner to the College office for record by the Secretary, and grades once recorded are not subject to change except in accordance with the rules governing re-examination (See II.).

IV. Final Examinations.—Annual examinations are held at the end of a course, or coincident group of courses, in the hours allotted to said courses, or during the last week of the session, at the discretion of the head of the department, who will give notice of the date of examination through the office of the Secretary. All such final examinations are conducted under the direction of the head of the Department

Subjects of Examination for Completion of the First Year.

*Anatomy.

Physiology.

*Chemistry (including laboratory work).

*Histology and Embryology.

*Neuro-Anatomy.

Military Science.

EXAMINATIONS AND ADVANCEMENT IN COURSE

Conditions allowed: Not more than 40% of required hours (see table, page 95).

NOTE: All conditions must be successfully passed before entrance into the next succeeding year will be allowed.

Subjects of Examination for Completion of the Second Year.

- *Physiology and Nutrition.
- Pathology.
- *Bacteriology.
- Medicine.
- Surgery.
- *Anatomy.
- *Pathological Anatomy.

Conditions allowed: Not more than 30% of required hours (see table, page 95).

(See note above.)

Subjects of Examination for Completion of the Third Year.

- *Pathology.
- *Obstetrics.
- Medicine.
- Surgery.
- Pharmacology.
- Therapeutics.
- *Clinical Pathology.
- Pediatrics.
- Hygiene.
- Neurology.
- *Urology.
- *Otology.
- Ophthalmology.
- *Laryngology and Rhinology.
- *Dermatology.
- Psychiatry.

Conditions allowed: Not more than 30% of required hours (see table, page 95).

(See note above.)

Subjects of Examination for Completion of the Fourth Year and Graduation.

- Medicine.
- Surgery.
- Pediatrics.
- Neurology.
- Orthopedic Surgery.
- Gynecology.

Conditions allowed:—

*In the subjects thus marked the examination is given at the end of the course, under the direction of the head of the department. In other subjects the final examination is at the end of the year.

CORNELL UNIVERSITY MEDICAL COLLEGE

If any student fails to pass in not more than 30% of the required hours (see table, page 95), a re-examination in those subjects may be allowed, and if the candidate is then successful the degree may be conferred.

REQUIREMENTS FOR GRADUATION.

1. Candidates for the degree of doctor of medicine must have studied medicine for four full years in an accredited medical college, and the fourth year at least must have been spent in the Cornell University Medical College.

2. Candidates must present satisfactory evidence of good moral character and of being not less than twenty-one years of age.

3. Candidates must file with the Secretary of the Faculty satisfactory evidence of having complied with the entrance requirements (see page 28), together with the requisite legal medical student certificate.

NOTE—This certificate is issued by the Department of Education of the State of New York on presentation of required credits and a diploma from a recognized College or University or properly attested certificate showing that such a diploma has been granted, together with a fee of one dollar. If the student so requests, the Secretary of the Faculty may forward such diploma or certificate to the Department of Education of the State of New York with a request for the legal student certificate.

4. Candidates must have dissected at least one lateral half of the cadaver. They must, further, have taken the regular course of two weeks in practical obstetrics, and a certificate* covering this course must be filed at the Secretary's office before registration for the final examinations, which begin about the last week of May.

5. In addition to the yearly examinations above specified for advancement in course, candidates must pass during the fourth year examinations in medicine, surgery, pediatrics, neurology, orthopedic surgery and gynecology.

6. Candidates rejected at the final examination will not be re-examined until after having repeated the fourth year of study.

Before being readmitted to the fourth year the candidate may be required to pass a satisfactory examination in anatomy, physiology, chemistry, and the subjects of the preceding years.

7. The degree will not be conferred upon any candidate who absents himself from the public Commencement without the special permission of the Faculty.

8. The Faculty reserves the right to terminate the connection of any student with the institution *at any time* on the ground of what they may deem moral or mental unfitness for the profession, or improper conduct while connected with the College.

*This certificate must set forth the number of obstetrical cases personally attended by the student.

EXAMINATIONS AND ADVANCEMENT IN COURSE

DIPLOMAS OF LICENTIATE OF THE ROYAL COLLEGE OF PHYSICIANS OF LONDON AND MEMBERSHIP OF THE ROYAL COLLEGE OF SURGEONS OF ENGLAND.

Graduates of the Cornell University Medical College are admitted to the final examinations for diploma of Licentiate of the Royal College of Physicians of London and Membership of the Royal College of Surgeons of England, upon presenting proper certificates that certain conditions applicable to the foreign universities and colleges, which are recognized by the examining board, have been complied with.

Further information may be obtained from the Secretary of the Board (Mr. F. G. Hallet) at the Examination Hall, Queen's Square, Bloomsbury London, W. C.

Prizes.

I. For general efficiency.

In commemoration of John Metcalfe Polk, an Instructor in this College, who was graduated from the Medical Department of Cornell University on June 7, 1899, and died on March 29, 1904, an annual prize of \$500 will be presented at each Commencement to the members of the Graduating Class who have pursued the full course of study in Cornell University Medical College.

This prize will be awarded as follows:

To the student having the highest standing	\$300
To the student having the second highest standing	125
To the student having the third highest standing	75

II. For efficiency in Gynecology.

In memory of William M. Polk, M.D., LL.D., Dean and Professor of Gynecology in Cornell University Medical College from its establishment in 1898 until his death, June 23, 1918, an annual prize, established by Mrs. Polk, of \$250, to the three members of the Senior Class in order of merit, for obtaining especial distinction in the Department of Gynecology.

This prize will be awarded as follows:

To the student attaining the highest distinction	\$125
To the student attaining the second highest distinction	75
To the student attaining the third highest distinction	50

III. For efficiency in Otology.

Two prizes, the first of \$50, the second of \$25, are offered by Professor Whiting to the two students of the graduating class to be designated by him who make the best records in the practical and theoretical work in Otology.

IV. For efficiency in Obstetrics.

Two prizes, the first of \$75, the second of \$25, have been endowed by an anonymous donor in recognition of the work of Dr. Gustav Seeligman in Obstetrics, to be given to the two students in the graduating class who have made the best records in the practical and theoretical work in Obstetrics.

V. For efficiency in General Medicine.

The income of \$1,000 is offered as a prize for general efficiency in the Department of Medicine, to be known as the Alfred Moritz Michaelis prize in General Medicine, in commemoration of Alfred Moritz Michaelis, who was graduated from the Medical Department of Cornell University on June

CORNELL UNIVERSITY MEDICAL COLLEGE

11, 1925, and who died during his internship at Mt. Sinai Hospital, April 24, 1926, to be presented at each Commencement to a member of the Graduating Class who has pursued the full course at Cornell University Medical College.

Scholarship.

- I. The John Metcalf Polk Scholarship, a gift under the will of William Mecklenberg Polk, former Dean, to be expended as a Scholarship in the Medical College. The income amounts to two hundred and fifty dollars (\$250) annually.

Hospital Appointments.—Members of the graduating class of Cornell University Medical College are nominated for appointment to the staff of internes in the Cornell division of Bellevue and the New York Hospitals in accordance with the following general plan:

1. The list of available positions having been posted, members of the graduating class make application for such services as they desire, naming not less than two choices, and agreeing to accept the position if offered.
2. A committee of the faculty determine the appointments from the list of candidates, basing the determination upon—
 - a. The student's standing during his first three years in Medical College:
 - b. The quality of his work in the hospital ward:
 - c. Personality and general fitness for the position desired.

The nominations thus made are subject to confirmation by the faculty of the Medical College and by the hospital. The faculty expressly reserve the right to alter the method of appointment in any or all particulars, at any time, and without notice.

The students and graduates of the Cornell University Medical College are also expected to compete for positions on the resident staff of the other hospitals of the city.

Some of these hospitals are: The City, Harlem, Gouverneur, Roosevelt, Fordham, St. Luke's, St. Vincent's, St. Francis', Mount Sinai, Lenox Hill, Lebanon, Lincoln, New York Eye and Ear Infirmary, and the many hospitals in Brooklyn, Jersey City, Newark, Paterson, etc.

The requirements, the times of examination, and the period of service differ. The details can be learned by application, written or in person, to the superintendents or to the secretaries of the medical boards of the various hospitals.

A record of the hospital appointments received by the graduating class is shown in the list of Graduates at the end of the Announcement.

The Alpha Omega Alpha, an honorary medical society, has maintained a chapter in this College since 1910. The members are elected by the membership of the society on nomination from the College Office. Nominations include only those who have for three years made a scholarship **average**



EXAMINATIONS AND ADVANCEMENT IN COURSE

of not less than 85 per cent. Not more than one-sixth of each class is eligible for election. The membership from the Class of 1926 is as follows:

Frederick Henry Amendola	Thomas Amos Killip, Jr.
Anthony James Delario	Victor Wesley Logan
Helen Elston	Joseph Harold Merin
William Louis Fleishfarb	John George Stubenbord
George Joseph Ginandes	Jocelyn Woodman
S. Bernard Wortis	

The Vesalian Society is a students' organization which arose from a series of Anatomical Journal Clubs started about 1910. The anatomical Journal Club has been confined to the first year class and the Vesalian Society became the means of continuing the consideration of scientific literature by a group of interested students in the upper classes. The Society now maintains a Journal Club in each College class, with admittance to membership on the basis of effective scholarship. In addition to the class meetings there are meetings open to the public which are addressed by undergraduates and by invited guests. The purpose of the Society is to stimulate an active interest in the broader aspects of the medical sciences, to promote a fraternal spirit in and between the College classes, and to promote co-operation between undergraduates and alumni.

COURSES FOR GRADUATES.

For some years special courses have been offered in several of the departments, and they have been, from time to time, pursued by graduates in medicine, teachers and advanced students and research workers in the medical sciences. For the benefit of such applicants these courses have been compiled, and are listed below under the several departments by which they are offered. For a list of the teaching staff the reader is referred to the detailed statement of the several departments contained in pages 35 to 67 of this announcement.

The courses offered below with the exceptions indicated are minor courses continuing six to eight weeks. Several departments are equipped to offer co-ordinated work extending over longer periods, and such courses can be arranged for the student by consultation with the head of the department.

In general it is recommended that students applying for admission to graduate courses so far as possible arrange to take consecutive work for a period of at least one College session. Such courses will be under the immediate supervision of an instructor from the department in which the greater portion of the student's work is performed.

The faculty reserve the right to limit the number of applicants received and to alter or withdraw courses at any time without notice.

ADMISSION.

Graduates in Medicine, Arts or Science, from approved colleges, who desire to pursue courses not leading to a degree, are admitted to registration as graduate students, after approval by the head of the department. Such courses do not count in any way as a part of the four years' course

CORNELL UNIVERSITY MEDICAL COLLEGE

required of candidates for the degree of doctor in medicine. All students or other workers pursuing courses indicated below are required to register at the office of the Secretary.

FEES.

Graduate students are admitted to any of the courses of instruction offered on the payment of a registration fee of ten dollars, an administration fee of five dollars and the tuition fee assigned to the course (see below). Those who have been previously registered as students in the Cornell University Medical College are not required to pay the registration fee.

In the courses outlined below, those marked with an * may be begun at any time during the session.

ANATOMY.

1. **Embryology.**—Terms I and II. September to March. Fee \$50. Details on page 35.

2.* **Histological Technic.**—Laboratory at least three hours daily and conferences with instructors. Fee \$30.

3 and 4. **General Histology, Microscopical Anatomy.**—Terms I and II. September to March. Details on page 35. Fee \$50.

5.* **Dissection.**—See Courses I-V, page 36. Fee \$30 per term (ten weeks); or for the entire dissection, \$50.

6.* **Neuro-Anatomy.**—Term III. March to May. Details on page 36. Fee \$30.

7.* **Anatomical Research.**—Subject to special arrangement with head of department.

PHYSIOLOGY.

1. **Physiology.**—Begins with Term III in March and continues in Term I of the following session. Details on page 36. Fee \$50.

2.* **Physiological Research.**—Subject to special arrangement with head of department.

CHEMISTRY.

1.* **Physical Chemistry as applied to Medicine.**—Eleven weeks, two lectures, one laboratory period. Fee \$25.

2.* **Physiological Chemistry.**—Two terms, of ten and eleven weeks each. Two lectures and two laboratory periods each week. Fee \$25 per term.

3.* **Chemical Pathology.**—A practical course in methods of blood analysis. Two three hour periods a week for one month. Fee \$25.

4.* **Research Work in Physiological Chemistry, Chemical Pathology, or Toxicology.**—Hours and fee to be arranged with each student.

Note.—Courses in this department are subject to special arrangement with head of department. Special students in this department must present satisfactory evidence of preliminary training in inorganic chemistry with laboratory work as outlined on page 28.

COURSES FOR GRADUATES

PHARMACOLOGY.

- 1.* **Laboratory Pharmacology**, under supervision and including conferences with instructor. Fee \$25.
- 2.* **Research Work in Pharmacology**.

MEDICINE.

1. **Applied Immunology**. (See Bacteriology.)
2. **Advanced Course in Metabolism Methods**. (See page 69.)

CLINICAL PATHOLOGY.

1. **Laboratory Diagnosis**.—Elementary and advanced instruction is offered in all the tests commonly performed in a clinical laboratory. The time the course is given and the fee are to be arranged with Professor Thro.

SURGERY

1. **Clinical Clerkship**.—Bellevue Hospital Second Surgical Division. Graduates in Medicine may avail themselves of a course or courses as outlined under Clinical Clerkships on page 53. One month, full time. Fee \$100.

PATHOLOGY.

- 1.* **Gynecological Pathology**. Dr. L'Esperance. Six hours or more weekly for about one month. Class is limited to ten students. Fee \$50.
- 2.* Special courses in tumor diagnosis are open to graduate students in the College Laboratory and in the Memorial Hospital at times to meet the convenience of applicants. Fee to be arranged with instructor.
- 3.* **Neuro-pathology**. Dr. Stevenson. Hours to be arranged. Class limited to five students. Fee \$50.

BACTERIOLOGY.

1. **Applied Immunology**. Drs. Coca and Cooke. Clinical work at the New York Hospital with the collaboration of the Department of Medicine. Laboratory Course at the New York Hospital: the entire month of June, five mornings and four afternoons a week. Fee \$205.

The laboratory course includes: the demonstration of the principal phenomena of anaphylaxis in the guinea pig and the rabbit, with a discussion of the relation of anaphylaxis to human hypersensitiveness; the methods of preparing and standardizing the fluid extracts and solutions used in the diagnosis and treatment of asthma and hay fever; and the methods of collecting and preserving pollens that are the excitants of seasonal hay fever and asthma.

Any of the clinical applications of immunological principles (such as blood matching, the Schick and Dick tests, the forensic identification of human blood) will be demonstrated on request. Graduate students have access to the laboratory at any time during the day.

The clinical course consists of demonstrations in the Dispensary of the New York Hospital, at the asthma and hay fever clinic, four afternoons

CORNELL UNIVERSITY MEDICAL COLLEGE

weekly. Each individual has ample opportunity to become thoroughly acquainted with the methods of diagnosis and treatment of these and allied conditions.

Applications for this Course should be made before May 1st.

NEUROLOGY.

1. **Neuro-anatomy and Neuro-pathology.**—See Departments of Anatomy and Pathology. The student must present satisfactory evidence of an adequate knowledge of general histology. Fee \$25 in each department.

3.* **Clinical Neurology.**—Includes study of ambulatory and ward cases, with medical and electrical therapeutics. Two hours daily for two months. Should be preceded by Courses 1 or its equivalent. Fee \$50.

4.* **Psycho-therapeutics.**—Twice weekly for eight weeks. Should be preceded or taken in conjunction with Course 3. Fee \$25.

DERMATOLOGY.

1.* **Clinical Dermatology.**—Ambulatory cases. Thrice weekly for four weeks. 2-3 P.M. Fee \$50.

2.* **Histopathology of the skin and its diseases.** Twice weekly for six weeks. Class of two to five students. Fee \$100.

LARYNGOLOGY AND RHINOLOGY.

1.* **Clinical Laryngology.**—Course of 15 lessons on diagnosis and therapeutics, including operative procedures and clinics on tonsillectomy and bronchoscopy at option of student. 2 to 4 P.M., Nov. 30 to Dec. 18, 1925, or June 7 to 25, 1926. Six students. Fee \$25.00.

UROLOGY.

Clinical Urology. Dr. Wilson. Ambulatory cases, including Endoscopy and Cystoscopy. Thrice weekly for four weeks. Fee \$50.00.

OPHTHALMOLOGY.

1.* **Ophthalmoscopy.** 20 hours. Fee \$25.

2.* **External Diseases of the Eye.** 20 hours. Fee \$25.

3.* **Diseases of the Eye Muscles.** 15 hours. Fee \$20.

4.* **Refraction and Retinoscopy.** 20 hours. Fee \$25.

5.* **Simulation of Amblyopia and Amaurosis.** 5 hours. Fee \$20.

6.* **Clinical Ophthalmology.** Daily 2-3 P.M. Fee per month, \$25.

7.* **Ophthalmic Operation on the Cadaver.** (This course is given in co-operation with the Department of Anatomy.) 20 hours. Fee \$50.

8.* **Pathological Histology of the Eye.**—(This course is given in co-operation with the Department of Pathology and must be applied for in advance.) 20 hours. Fee \$50.

9.* **Bacteriology of the Eye.**—(This course is given in co-operation with the Department of Pathology, and must be applied for in advance.) 15 hours. Fee \$20.

10.* **Slit-lamp Microscopy.** 20 hours. Fee \$50.

THE GRADUATE SCHOOL.

The Faculty of the Graduate School has control of graduate work in all departments of Cornell University and exclusive jurisdiction over the granting of all advanced degrees. Certain professors in the scientific departments of the Medical College in New York City offer graduate instruction as an integral part of the Graduate School of Cornell University. Properly qualified students may accordingly enter upon graduate work in New York City under the jurisdiction of professors in these departments and may become candidates for advanced degrees under the same conditions as apply to students in other divisions of the Graduate School. In all cases, such students are required to register each term at the Office of the Dean of the Graduate School, Cornell University, Ithaca, N. Y. A copy of the Announcement of the Graduate School, giving the rules and regulations pertaining to advanced degrees and the list of departments and subjects in which graduate instruction is offered, will be sent on application to the Dean.

Graduates of the following colleges of the University, namely, the College of Arts and Sciences, the Medical College, the College of Architecture, the College of Engineering, and the New York State Colleges of Agriculture, Home Economics and Veterinary Medicine,—or of other institutions in which the requirements for the first degree are substantially equivalent,—are eligible for admission to the Graduate School. In other cases, studies pursued after graduation, and experience gained by professional work or otherwise are taken into consideration in deciding whether the candidate's preparation as a whole is such as to justify his admission to the Graduate School.

Graduate students resident in New York City and working under the direction of members of the Faculty connected with the Cornell Medical College are students in the Graduate School of Cornell University, and as candidates for an advanced degree are subject to all the regulations laid down by the Faculty of the Graduate School. The members of the Medical College who give instruction to graduate students constitute Group F of the Faculty of the Graduate School, and the Chairman of this Group, Professor C. R. Stockard, is a member of the General Committee of this Faculty. Graduate students in New York City are advised to acquaint themselves with the rules and regulations of the Graduate School as set down in the Announcement, and to correspond directly with the Office of the Dean of the Graduate School in Ithaca. Professor Stockard, as Chairman of Group F, will be willing to advise with graduate students in New York in regard to the details of their graduate work and plans for candidacy. Copies of the Announcement and various official forms used by the Graduate School may also be obtained from Professor Stockard.

Fees.

A Matriculation Fee of \$10.00 is required of every student upon entrance into the University. It must be paid at the time of registration.

A Tuition Fee of \$75.00 for the academic year is to be paid by all students registered in the Graduate School.

CORNELL UNIVERSITY MEDICAL COLLEGE

An Administration Fee of \$25.00 is to be paid by all students registered in the Graduate School.

A Graduation Fee of \$20.00 is required, at least ten days before the degree is to be conferred, of every candidate for an advanced degree. The Fee will be returned if the degree is not conferred.

Certain classes of students are exempt from payment of the tuition fee. They are:

(1) Graduate students holding appointments as University Fellows or Graduate Scholars.

(2) Graduate students holding appointments as assistants and instructors and having their major studies in the college or line of work in which they are instructing, are exempt only from the payment of tuition fees in the department in which they are employed to give instruction; members of the instructing staff who take work for which they must pay tuition are required to pay in proportion to the amount of work for which they are registered.

COURSES FOR GRADUATES

SCHEDULE OF REQUIRED COURSES AND ALLOTTED HOURS.

COURSE	HOURS			
	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Fourth Year</i>
ANATOMY				
Histology and Embryology....	258	...	...	...
Gross Anatomy	350	...	...	...
Neuro-Anatomy	88	...	...	...
Typographical Anatomy .....	...	36	...	...
PHYSIOLOGY	165	153	...	...
CHEMISTRY	239	...	...	...
PHARMACOLOGY .....	...	66	44	...
PATHOLOGY .....	...	195	48	...
Pathological Anatomy .....	...	66	10	...
BACTERIOLOGY .....	...	210	...	...
MEDICINE .....	...	159	100	312
Therapeutics .....	...	...	11	...
Clinical Pathology .....	...	...	96	...
SURGERY .....	...	100	157	312
OBSTETRICS .....	...	...	96	98
GYNECOLOGY .....	...	...	10	102
PEDIATRICS .....	...	...	92	108
NEUROLOGY .....	...	...	21	36
PSYCHIATRY .....	...	...	65	...
UROLOGY .....	...	21	20	...
DERMATOLOGY .....	...	21	32	...
LARYNGOLOGY & RHINOLOGY .	...	10	32	...
OPHTHALMOLOGY .....	...	31	...	...
OTOLOGY .....	...	...	15	...
ORTHOPEDIC SURGERY .....	...	...	22	36
ROENTGENOLOGY .....	...	10	31	...
HYGIENE .....	...	...	150	...
MILITARY SCIENCE	30	...	...	...
ELECTIVES .....	...	...	...	240
TOTALS	1130	1078	1052	1244
GRAND TOTAL—4504 Hours				

CORNELL UNIVERSITY MEDICAL COLLEGE

FACULTY OF MEDICINE AT ITHACA.

LIVINGSTON FARRAND, A.M., M.D., LL.D.,
President.

ABRAM TUCKER KERR, B.S., M.D.,
*Secretary of the Medical College at Ithaca,
Professor of Anatomy.*

SIMON HENRY GAGE, B.S.,
Professor of Histology and Embryology, Emeritus.

BENJAMIN FREEMAN KINGSBURY, PH.D., M.D.,
Professor of Histology and Embryology.

JAMES BATCHELLOR SUMNER, A.M., PH.D.,
Assistant Professor of Biochemistry.

JAMES WENCELAS PAPEZ, A.B., M.D.,
Assistant Professor of Anatomy and Neurology.

HOWARD BERNHARDT ADELMANN, A.M., PH.D.,
Assistant Professor of Histology and Embryology.

HOWARD S. LIDDELL, M.A., PH.D.,
Assistant Professor of Physiology.

JOSEPH ALMA DYE, A.B., PH.D.,
Assistant Professor of Physiology.

WILLIAM M. ROGERS, B.S.,
Instructor in Histology and Embryology.

GEORGE H. MAUGHAN, A.M.,
Instructor in Physiology.

EARL O. BUTCHER, A.B.,
Instructor in Histology and Embryology.

ALLEN D. KELLER, B.S.,
Instructor in Physiology.

ETHEL D. SIMPSON, A.M.,
Instructor in Physiology.

CHARLES GURCHOT, B.S., PH.D.,
Instructor in Biochemistry.

JULIA E. ROTHERMEL, A.M.,
Assistant in Histology and Embryology.

EDNA G. DYER, A.B., PH.D.,
Assistant in Anatomy.

DUNCAN C. WHITEHEAD, A.B.,
Assistant in Anatomy.

J. L. WIERDA, A.B.,
Assistant in Anatomy.

FISK W. S. SCUDDER, A.B.,
Assistant in Histology and Embryology.

WALTER S. WALLS,
Student Assistant in Histology and Embryology.

ITHACA DIVISION

INSTRUCTION AT ITHACA.

DURING THE FIRST YEAR OF THE COURSE.

CALENDAR FOR ITHACA.

First Term, 1927-1928.

- September 28. Wednesday—Academic year begins; matriculation of new students; University scholarship examinations begin.
- September 29. Thursday—Matriculation of new students.
- September 30. Friday—Registration of matriculated students.
- October 3. Monday—Instruction begins in all departments of the University at Ithaca.
- December 24. Saturday—Instruction ends at 1 P.M.
- January 2. Monday—Instruction resumed at 1 P.M.
- January 11. Wednesday—Founder's Day.
- February 8. Wednesday—First term closes.

Second Term.

- February 10. Friday—Registration for the second term.
- February 13. Monday—Instruction begins at 8 A.M.
- March 31. Saturday—Instruction ends at 1 P.M. (Spring recess).
- April 9. Monday—Instruction resumed at 8 A.M.
- June 18. Monday—Commencement.

General Statement.

From its very foundation Cornell University has offered special courses for students preparing for the study of Medicine; first in the Natural History course, and later also in a special two-year Medical Preparatory course. In 1898 the Medical College was established in New York City with a four years' course. At the same time the work of the first two years was duplicated at the University in Ithaca, since many of the fundamental scientific subjects of which this part of the course mainly consists were already provided for in the long-established departments of Botany, Zoology, Comparative Anatomy, Physics, Chemistry, Physiology, Histology, Embryology, and Bacteriology. The courses in these departments were modified where necessary and additional courses were added so as to make the work at Ithaca equivalent to the first two years in New York City. In 1908, the work of the second year was discontinued at Ithaca.

Other Colleges of the University.—Among the facilities of the University of special value to the Medical College may be mentioned the museums of Vertebrate and Invertebrate Zoology (including Entomology and Comparative Anatomy), of Agriculture, of Botany, of Geology, and of Veterinary Medicine. The University Library, with its 750,352 volumes and pamphlets, and over 2,000 current periodicals and transactions, is as freely open to medical students as to other University students.

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Stimson Hall. This is a modern and thoroughly equipped laboratory building erected for the Medical College at Ithaca in 1902. It was made possible through the generosity of the late Dean Sage of Albany and named at his desire Stimson Hall in recognition of the services rendered by Dr. Lewis A. Stimson toward the establishment of the Medical College. The building was especially designed for teaching and research in anatomy, histology, embryology, and physiology. The building is constructed of Ohio sandstone. The general form is that of an E, 157 feet long and 50 feet wide with wings 40 feet square.

In the cellar are the cold-storage, embalming, cremating rooms and store-rooms. In the sub-basement at the west end is a large room for the string galvanometer and the accessory dark rooms.

In the basement are the ventilating and cold-storage machinery, a large lecture room, a research room, and an advanced laboratory for histology, besides the lower part of the large amphitheatre. Here also is located the operating room for the department of physiology.

On the first floor are located the coat rooms for men and women, college office, library, reading room, faculty room, and histology and embryology research laboratory, general laboratory for experimental physiology, demonstration, metabolism and dark room for physiology, and the upper part of the large amphitheatre.

On the second floor is the department of histology and embryology with a large general laboratory, a research laboratory, preparation rooms, and private laboratories for the instructors. Upon this floor also is located the department of Physiology with a large general laboratory for biochemistry, research laboratories for biochemistry, a research laboratory for experimental physiology, an incubator room, repair shop and private laboratories for the instructors.

The third floor consists of the general and special dissecting rooms for gross anatomy and neurology, study rooms, and amphitheatre, besides rooms for the instructors.

The attic is utilized for photography, macerating the skeletons, and for storage.

The air in the building is constantly changed by forced ventilation. The lighting is especially good in all the rooms.

In the court behind the building is a house for alcohol and inflammables and provision for experimental animals, including a small animal house. A large animal house is located at some distance from the medical building on the Physiology Field Station.

The Van Cleaf Memorial Library. Located in Stimson Hall, this library, endowed by Mr. Mynderse VanCleaf in honor of his brother, Dr. Charles VanCleaf, supplements the extensive facilities of the University Library by a steadily growing collection of reference works and periodicals of importance for the work of instruction and research conducted in Stimson Hall. The library room is lighted by indirect overhead light, and the reading desks are provided with day-lite lamp fixtures.

ITHACA DIVISION

Experimental Field Station. A recent and important adjunct to the Department of Physiology is an Experimental Field Station which consists of nine acres situated in the open country about two miles from the Medical College. In this fenced field a barn for the accommodation of large animals such as sheep and goats, and proper houses with runs for small animals have been provided. In such a station animals under observation in feeding and nutrition experiments, for example, may be kept under ideal conditions for long periods of time. Communication between the station and the laboratory is maintained by a motor truck belonging to the department.

The Sarah Manning Sage Research Fund. As a recognition of the importance of the research side of university work, and as a timely and generous gift, there came in 1916 a bequest of \$50,000 by the will of Sarah Manning Sage, widow of Dean Sage, the donor of Stimson Hall. The income of this sum, or in the discretion of the University the principal also, shall be used to promote the advancement of medical science by the prosecution of research in the Cornell University Medical College at Ithaca, in connection with any and all subjects at any time embraced in the curriculum.

CORNELL UNIVERSITY MEDICAL COLLEGE

DEPARTMENTS, METHODS, AND FACILITIES.
ANATOMY.

ABRAM T. KERR, B.S., M.D., *Professor.*

JAMES W. PAPEZ, A.B., M.D., *Assistant Professor of Anatomy and Neurology.*

DUNCAN C. WHITEHEAD, *Assistant.*

J. L. WIERDA, *Assistant.*

EDNA G. DYER, A.B., PH.D., *Assistant.*

The courses in anatomy are designed to provide a comprehensive and detailed study of the structure of the human body.

The work in gross anatomy is mostly concentrated in the first term of the first year. The laboratory is open from eight to five on week days, except Saturday. Twenty-eight hours a week are allowed for the required work in the first term and four hours a week in the second term. Students who have additional hours free may devote more time to the subject. The work consists mainly of dissection followed by recitation on the part dissected. For this work there is an ample supply of dissecting material well embalmed and kept in cold storage ready for use. Each student is required to do a clean and careful dissection of a lateral half of the body. The regional method of dissection is followed. The student is furnished a systematic laboratory outline so arranged where possible that the structures in each region can be studied together as a topographic, functional or surgical area. It is realized that no one method or point of view is sufficient or applicable to every region. The purpose throughout is to make the student find and identify every structure, to appreciate its functional significance, its relations and its peculiar characteristics, to assemble details into general concepts, to visualize and interpret every region and organ. The aim is to direct the student to work methodically, to observe carefully and to think clearly and independently. He is encouraged to make careful notes and as many drawings as time permits. Where feasible, he is taught to compare his findings on the cadaver with conditions in the living body. An X-ray outfit in the department makes it possible in many regions to compare the X-ray picture from the cadaver with the findings in the dissection. A complete disarticulated skeleton is loaned to each student so that the bones may be available for study when encountered in course of dissection. In addition the department is well equipped with models, cross sections, and special dissections for study and demonstration. For study of the finer structure of the organs, hand lenses and several binocular dissecting microscopes are provided in the laboratory. A student library containing atlases and some of the more important anatomical monographs is in connection with the laboratory. Besides the usual regional recitation on the dissected part, demonstration conferences are held about three times a week with the class as a whole or with smaller groups. Occasional lectures are given on matters that cannot be made clear by dissection and demonstrations.

The work in the anatomy of the nervous system and sense organs is given during the second term. It consists mainly of laboratory work with frequent conferences and recitations. A topographic study and dissection of the organ or part precedes or accompanies its microscopic study. Special attention is

ITHACA DIVISION

given to the sense organs, nerves, nuclei, reflex connections, conduction tracts and cortical areas that enter into the formation of the more important functional systems. In connection with each organ or part, its development and comparative morphology is considered. For this work an ample supply of human brains, brains of lower mammals, Weigert sections, and other preparations are available.

The department is well equipped to provide facilities for those properly qualified to undertake advanced and research work. Students with special ability or training are permitted to do more than the required work. Where time permits they are encouraged to do advanced or research work.

1. **Anatomy of the Head and Neck.**—First term. Credit, 4 hours, 25 actual hours a week for 6 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

2. **Anatomy of the Thoracic Walls and Viscera.**—First term. Credit, 1 hour, 25 actual hours a week for 2 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

3. **Anatomy of the Abdominal and Pelvic Walls and Viscera.**—First term. Credit, 4 hours, 25 actual hours a week for 6 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

5. **The Nervous System, Anatomy, Histology, and Development.**—Second term, credit, 3 hours, Assistant Professor Papez and Instructors. Nine hours a week laboratory with laboratory demonstrations, conferences and recitations. Dissection of the spinal cord and brain. Microscopic structure and development of the nervous system and organs of special sense.

6. **Anatomy of the Living Body.**—First term. Credit, 2 hours, 3 actual hours a week. Professor Kerr. Interpretation of dissecting room material by means of the living body, frozen sections, and special preparations. A review of the work of courses, 1, 2, and 3.

7. **Anatomy of the Upper Extremity.**—First term. Credit, 2 hours, 25 hours a week for 2 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

8. **Anatomy of the Lower Extremity.**—Second term. Credit, 2 hours, 4 hours a week for 16 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

9. **Topographical Anatomy.**—First and second terms. Credit, 2 to 5 hours. Elective. Prerequisite, anatomy courses 1, 2, 3, 7, or 8. The detailed dissection and study of any region. Professor Kerr.

12. **Research in Anatomy.**—First and second terms. Professors Kerr and Papez. Advanced and research work in the laboratories. Open only to those who have taken the necessary preliminary courses, and are properly qualified.

CORNELL UNIVERSITY MEDICAL COLLEGE

HISTOLOGY AND EMBRYOLOGY.

BENJAMIN F. KINGSBURY, PH.D., M.D., *Professor.*
HOWARD B. ADELMANN, A.M., PH.D., *Assistant Professor.*
WILLIAM M. ROGERS, B.S., *Instructor.*
EARL O. BUTCHER, A.B., *Instructor.*
JULIA E. ROTHERMEL, A.M., *Assistant.*
FISK W. A. SCUDDER, A.B., *Assistant.*
WALTER S. WALLS, *Student Assistant.*

As indicated by the following courses, this department offers elementary and advanced instruction in the theory and use of the microscope and its accessories, in histology, and embryology; and opportunities for research in all of these subjects.

The material equipment consists of a good supply of modern microscopes, while camera-lucidas, polariscopes, micro-spectroscopes, photo-micrographic cameras, microtomes and other special apparatus such as dark-field illuminators are in sufficient numbers to give each student opportunity for personally learning to use them, and for applying them to any special study in which they are called for. Two projection microscopes are available for class demonstrations and for making the drawings used in reconstruction.

The rooms for the use of the department are on the second floor of Stimson Hall. They are almost perfectly lighted and consist of a large general laboratory, an advanced laboratory, a preparation room, department office, and five private laboratories for the instructing staff, where also special demonstrations of difficult subjects are given to small groups of students.

The collection of material and microscopic series of human embryology, contributed mainly by graduates of the college, is steadily growing. Every encouragement is given for the fullest utilization of the opportunities afforded by the department.

The work of the department consists of practical laboratory work, supplemented by lectures, conferences, and demonstrations. The work required of students of medicine is given in course 10. For those who have already had elsewhere satisfactory work in histology, elective work may be taken in Courses 3, 7, and 8. Courses open to students in the College of Arts and Sciences and Veterinary Medicine are described in the announcements of these colleges.

COURSES REQUIRED OF STUDENTS OF MEDICINE.

10. Histology.—First term. Credit, 8 hours. Professor Kingsbury and assistant. Required of first-year students of medicine. Four laboratory periods and four lectures each week. The work includes (a) The fundamentals of human development; (b) The histology of the tissues and organs (except the nervous system); (c) The main facts of histogenesis and the development of the organs (except the nervous system). It is highly advantageous that the course be preceded by a course in embryology (see Courses of Instruction of the College of Arts and Sciences, Course 4).



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ADVANCED AND ELECTIVE COURSES.

107. **Advanced Work in Histology and Embryology.**—First and second terms. Professor Kingsbury and Assistant Professor Adelman. Laboratory work, eight or more actual hours a week, with Seminary (Course 108).

This course is designed for those preparing theses for baccalaureate or advanced degrees, and for those wishing to undertake special investigations in histology and embryology.

Course 107 is open to those who have had Course 10, or its equivalent. A good reading knowledge of French and German is indispensable for the most successful work in this course. It is suggested that those who intend to take this course confer with the head of the Department as early as possible, so that the work may be planned to the best advantage.

108. **Seminary.**—First and second terms. One hour each week at an hour to be arranged.

For the discussion of current literature and the presentation of original work by the members of the Department staff and those doing advanced work in the department. It may be taken in connection with Course 107.

DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY.

JAMES B. SUMNER, A.M., PH.D., *Assistant Professor of Biochemistry.*

JAMES A. DYE, A.B., PH.D., *Assistant Professor of Physiology.*

HOWARD S. LIDDELL, A.M., PH.D., *Assistant Professor of Physiology.*

GEORGE H. MAUGHAN, A.M., *Instructor in Physiology.*

ALLEN D. KELLER, B.S., *Instructor in Physiology.*

ETHEL D. SIMPSON, A.M., *Instructor in Physiology.*

CHARLES GURCHOT, B.S., PH.D., *Instructor in Biochemistry.*

Physiology.

This subject is taught in the second term of the first year of the medical curriculum. It is the aim of the department to give the students a thorough training in the fundamentals of the science of physiology, which was formerly known as the Institutes of Medicine, and an effort is made to strike the proper balance between the study of theoretical principles in the lecture room and the practical application of these in the laboratory.

The work in physiology is given in the second term. Nine hours a week are devoted to practical exercises, special attention being given to experimental methods which are likely to be of importance in the study of clinical medicine.

In the laboratory, from year to year, less and less time is taken up with frog physiology and more and more time devoted to a practical study of mammalian functions. This is made possible by the fact that the department now possesses six large Brodie kymographs of the most recent pattern for the exclusive use of medical students.

The following courses are offered:

1. **Physiology of Muscle and Nerve; reflex, central and autonomic nervous systems; special senses; digestion, absorption and endocrine organs.**—Credit

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4 hours. Assistant Professor Dye, Assistant Professor Liddell and instructors. Four lectures or conferences weekly throughout the term. Written and oral examinations will be held at intervals.

4. **Experimental Physiology.**—Credit 4 hours. Assistant Professors Dye, Liddell and instructors. Two laboratory periods of six and three hours each week. The fundamental experiments of the science dealt with in the systematic lectures will be carried out practically by the students themselves under the direction of the professors and instructors. Demonstrations, oral and practical examinations will be given from time to time.

308. **Advanced Work and Research.**—The laboratory is open daily from 8 A.M. till 6 P.M. for advanced work and original investigation under the direction of the professors and instructors.

Biochemistry.

In this section the student is taught the chemistry of the tissues, fluids, secretions, and excretions of the human body; the compositions of food-stuffs, and the phenomena of their digestion, absorption, and assimilation; the rôle of enzymes in the animal economy; the principles of nutrition; and the leading facts of general and special metabolism. Groups of organic compounds of especial biological importance will be discussed emphasizing particularly the carbohydrates, purins, amino acids, and fats. The fundamental properties of electrolytes and colloids and the phenomena of osmosis and dialysis will be considered in lecture room and laboratory. Instruction is given in the use of analytical methods for the examination of biological products, both normal and pathological. Those methods are principally considered which have found an application in scientific medicine, and special attention is devoted to the quantitative analysis of the gastric contents, blood, and urine. Each student completes the course by performing a metabolism experiment upon himself.

The bulk of the instruction is given in the laboratory. As occasion arises, the student's individual work there is supplemented by experimental demonstrations; while by means of lectures and recitations it is sought to co-ordinate the whole, and to expound the theoretical aspects of the subject.

The following courses are offered:

15. **General Biochemistry.**—Second term. Credit, 9 hours. Five lectures or recitations and four three-hour laboratory periods weekly; supplemented by demonstrations, conferences and written reviews. Assistant Professor Sumner and Dr. Gurchot. Required of first year students of medicine.

17. **Special Chapters in Biochemistry.**—First term. Credit, 1 hour. Assistant Professor Sumner. One lecture weekly on some selected province of biological chemistry. Hour to be arranged. This is an elective course for advanced students or graduates.

320. **Advanced and Research Work in Biochemistry.**—First and second terms. Assistant Professor Sumner. The laboratory is open daily to all qualified persons for advanced instruction or the prosecution of research. Courses are arranged to suit the training and requirements of the individual student.

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SCHEDULE AND SUMMARIZED STATEMENT.

In this schedule the counts or University hours are given on the following basis: One recitation or lecture weekly for one term or half year gives a credit of one; for laboratory work it requires two and one-half to three actual hours weekly for a term or half year to secure a credit of one.

SCHEDULE OF REQUIRED COURSES.

First Term.

	No. of Course	University Hours	Actual Hours Weekly
Anatomy	1, 2, 3, 7	11	25
Anatomy	6	2	3
Histology	10	8	16
		—	—
		21	44

Second Term.

Anatomy	8	2	4
Physiology	1, 5	4	4
Physiology	4	4	9
Nervous System	5	3	9
Biochemistry	15	9	17
		—	—
		22	43

SUMMARY OF REQUIRED COURSES.

1. **Anatomy of the Head and Neck.**—Credit, 4 hours, 25 actual hours a week for 6 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

2. **Anatomy of the Thoracic Walls and Viscera.**—Credit, 1 hour, 25 actual hours a week for 2 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

3. **Anatomy of the Abdominal and Pelvic Walls and Viscera.**—Credit, 4 hours, 25 actual hours a week for 6 weeks. Professors Kerr and Papez, Instructors and assistants. Laboratory work, dissection, and conferences.

6. **Anatomy of the Living Body.**—Credit, 2 hours, 3 actual hours a week. Professor Kerr.

7. **Anatomy of the Upper Extremity.**—Credit, 2 hours, 25 hours a week for 2 or more weeks. Professors Kerr and Papez and assistants.

10. **Histology.**—Credit, 8 hours. Professor Kingsbury, instructors and assistant. Four laboratory periods and four lectures each week.

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Second Term.

1. **Physiology of Cell, Muscle, Nerve, Heart and Circulation, and Respiration.**—Credit, 4 hours. Assistant Professors Liddell and Dye and instructors. Four lectures or recitations weekly throughout the term with demonstrations and examinations.

4. **Experimental Physiology.**—Credit, 4 hours. Assistant Professors Dye, Liddell and instructors. Two laboratory periods of three and six hours a week. This course will be supplemented by demonstrations whenever necessary.

15. **General Biochemistry.**—Credit, 9 hours. Five lectures or recitations and four three-hour laboratory periods weekly, supplemented by demonstrations, conferences, and written reviews. Assistant Professor Sumner and Dr. Gurchot.

5. **The Nervous System Anatomy, Histology, and Development.**—Credit, 3 hours. Assistant Professor Papez and Instructors. Nine actual hours a week. Dissection of the spinal cord and brain. Microscopic structure of the nervous system and organs of special sense.

8. **Anatomy of the Lower Extremity.**—Credit, 2 hours, 4 actual hours a week. Professors Kerr and Papez and assistants.

REQUIREMENTS FOR ADMISSION.

The requirements for admission are identical with those of the Medical College at New York City (see page 28).

GRADUATE WORK AT ITHACA.

ADMISSION.

The Graduate School has exclusive control of all graduate work carried on in the University. Graduates of the following colleges of Cornell University, namely, the College of Arts and Sciences, the College of Architecture, the College of Engineering, the Medical College, the New York State College of Agriculture, and the New York State Veterinary College, and also graduates of other institutions in which the requirements for the first degree are substantially equivalent, are eligible for admission to the Graduate School. In other cases studies pursued after graduation, and experience gained by professional work or otherwise, are taken into consideration in deciding whether the candidate's preparation as a whole is such as to justify his admission to the Graduate School. Graduates of colleges other than those of Cornell University may be admitted to the Graduate School, but not to candidacy for an advanced degree, if their training is regarded as less than one year short of that required for the first degree at Cornell University.

In order to be admitted to the Graduate School, a student must furnish evidence that he has already received a first degree, by presenting either a diploma or a statement from some official source. The simplest procedure will ordinarily be to submit an official statement from the registrar or dean that the degree has been conferred. In the case of graduates of Cornell University this is not necessary, since the records are conveniently accessible.

To avoid delays at the beginning of the academic year, those who desire to enter the Graduate School are advised to make application for admission, either in person or by letter, in the preceding spring or summer. Correspondence should be addressed to the Dean of the Graduate School, Cornell University, Ithaca, New York.

For details in regard to the selection of major and minor subjects, special committees in charge of the work of each candidate for an advanced degree, fees, time required, thesis, and special conditions to be fulfilled by each candidate for an advanced degree, reference should be made to the announcement of the Graduate School.

FACILITIES.

The facilities of the Departments of Anatomy, Histology and Embryology, Physiology and Biochemistry, have been outlined under the description of each department. These are equally available for the use of the graduate students as for medical students.

FELLOWSHIPS AND GRADUATE SCHOLARSHIPS.

Among the twenty-four fellowships and eighteen scholarships offered annually to students in the Graduate School, the following are of particular interest to students continuing work in biological sciences:

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The Schuyler Fellowship in Animal Biology (annual value of \$400 and free tuition in the Graduate School).

The Graduate Scholarship in Animal Biology (annual value of \$200 and free tuition in the Graduate School).

THE COMBINED A.B. AND M.D. DEGREES.

The Medical College advises students to complete, whenever feasible, the full four year A.B. course before applying for admission to this college. It is possible, however, to be admitted to the Medical College under Section II of the entrance requirements. This is to provide for those students who, by specially directed or especially proficient work, accomplish the essential requirements for the Arts degree during three years of college residence. No students are admitted under this classification unless their college faculty will permit them to substitute the first year in the Cornell University Medical College for the fourth year of their college course, and no student is admitted to the second year in the Medical College without the bachelor's degree obtained after at least three years of undergraduate college work.

The first year in the medical course which may be taken in place of the fourth year of the arts work may be pursued either in Ithaca or New York City. If all the work of this year is completed satisfactorily the student receives the degree of A.B. or its equivalent, and is permitted to take the last three years of the medical work. These are taken entirely in the Cornell University Medical College in New York City.

For the convenience of college students preparing for medicine, a schedule of the courses in the College of Arts and Sciences of Cornell University, in Physics, Chemistry, and Biology, which will satisfy the requirements for admission to the Medical College, is given below. If a student is taking four years in an arts college these courses may be taken later in the course than indicated. It is important that the order given in the outline should, in the main, be followed, as certain of these courses are prerequisite for other prescribed courses. In addition to these courses required for admission to the Medical College, the student will take all courses in English; Foreign Language; Philosophy and Psychology; History; Economics and Government that are prescribed by the College of Arts and Sciences. It is advised that all these underclass requirements be completed before the beginning of the junior year.

Outline of the courses which the Medical College requires of its applicants for admission, and planned for the student who expects to finish his Arts courses in three years.



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First year in Arts.

	Course No.	1st Term. Hours Credit.	2nd Term. Hours Credit.
Animal Biology (Introductory Zoology).....	1	3	3
Chemistry (Introductory Inorganic)	101		6

Second year in Arts.

Animal Biology (Comparative Anatomy and morphology of vertebrates)	11	3	3
Chemistry (Introductory Qualitative Analysis)	210	3	
Chemistry (Introductory Quantitative Analysis)	225		3
Physics (Introductory Experimental)	3&4	3	3

Third year in Arts.

Chemistry (Elementary Organic)	375	6	
Animal Biology (Histology and Histo- genesis of the tissues)	101	4	
Animal Biology (Vertebrate Embryology) ..	104		4
Physics (Introductory Physical Experiments)	55	3	

It is desirable that included in, or in addition to the modern Foreign language required for admission to the Medical College, students should obtain a reading knowledge of French and German.

Some of the additional courses suggested for election according to the needs or desires of each individual student are:

In the group of Animal Biology, Courses: 10—Cytology; 14—Genetics; 102—Histology and development of the organs; 105—Histology and Histological methods; 221—Structure of the Human Body; 222—Anatomical Methods; 303—Elementary Human Physiology; in Economics, in addition to the elementary course, courses 55a and b,—Elementary Social Science. Also courses in Psychology and additional courses in English and Public Speaking where these latter are needed.

RESIDENCE AND REGISTRATION.

The college year is nine months long, extending from the last of September till about the middle of June, and is divided into two nearly equal terms. (For exact dates, see calendar on page 94.)

No credit is given for work done in absentia. For leave of absence during the session, application should be made to the Secretary.

At the beginning of the term students must register with the University Registrar, in Morrill Hall. After registration with the University Registrar, they must register with the Secretary of the Medical College, in Stimson Hall.

EXAMINATIONS.

Students are advanced in course from one year to the next upon passing examinations upon the work of that year. The work of each year is considered final of itself. There is no unnecessary repetition of subjects taught

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from year to year. According to the usage of the other colleges, the University student found to be markedly deficient will be dropped from the College at the end of the term in which such deficiency is shown. In the case of a student so dropped, an application for re-admission will not be considered at all until after the expiration of one term.

ADVANCEMENT FROM FIRST TO SECOND YEAR.

Upon the completion of the year in Ithaca, a transcript of the record of each student, together with a statement that such student is recommended for admission to the second year class is transmitted by the Faculty at Ithaca to the Faculty of the Medical College in New York City. As a student is not advanced from one year to another in the New York division until all the work of the year is completed, a student from Ithaca cannot enter the second-year class in New York until the entire schedule of the first year has been successfully completed. For removing any conditions, examinations are held at the beginning of the fall term, both in Ithaca and in New York City. The student is at liberty to take these examinations in Ithaca or in New York City. The examination on a subject in either place is final for that year. That is, the student will not be permitted to try an examination on a subject in Ithaca, and take advantage of the later date for the examination in New York to have a second examination on the same subject in the same autumn.

CHARGES FOR INSTRUCTION.

FIRST YEAR.

Matriculation	\$10.00
Tuition	500.00
	<hr/>
	\$510.00

All tuition and other fees may be changed or increased by the Trustees to take effect at any time without previous notice.

Applications for Registration in the Medical College Should be Made by March 1, and a Deposit of \$100 is Required If Accepted.

Any prospective undergraduate student intending to register in the Medical College at Ithaca for the first term of the academic year must apply for registration not later than March 1 of that year. An application received after March 1 may be accepted if, in the judgment of the Faculty concerned there is adequate provision for the student's instruction. A deposit of \$100 is required as soon as the application is acted on favorably by the Committee. If a student completes his registration for the first term the deposit will be credited to his account. If a prospective student whose application and deposit have been accepted fails to complete his entrance requirements he is entitled to a refund of the deposit in excess of accrued charges. If an applicant fails

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for any other reason to enter the University at the beginning of the term there may, in the discretion of the comptroller and the Registrar, be refunded to him any balance above charges accrued. Such a refund will generally be made where the vacancy caused by the student's withdrawal is filled

RESIDENTIAL HALLS.

The University has six residential halls for men students situated on the Campus and furnishing accommodations for about 480 men. For particulars address University Treasurer, Ithaca, N. Y. There are, also, many private boarding and rooming houses near the University Campus. In these the cost of board and furnished room, with heat and light, varies from \$10 to \$15 a week. By the formation of clubs, students are sometimes able to reduce their expenses for room and board. Cafeterias are maintained by the University in Cascadilla Hall and near the Baker Dormitories, and one by the College of Agriculture in the Home Economics Building, where meals may be obtained at reasonable prices.

Before engaging rooms, students should carefully examine sanitary conditions and should particularly insist on satisfactory and sufficient fire escapes. The University publishes and distributes a list of approved rooming houses. This list is ready for distribution August 15. New students are advised to come to Ithaca a few days in advance of the beginning of the University duties in order that they may have ample time to secure room and board before the opening of the academic year. The Freshman Advisory Committee offers its assistance to new students in the selection of rooming and boarding houses.

The residential halls for women students are Sage College and Prudence Risley Hall. In these buildings, which are exclusively for women students, the total cost of board, laundry and rent of furnished rooms, with heat and light is \$460 a year. The halls are heated by steam, and lighted by electricity. The Dean of Women has jurisdiction over all women students in the University, and women students are not permitted to board and lodge outside of the halls for women except in houses approved by the Dean, and subject to her direction. Prospective women students should write to the Dean of Women for information concerning any matters in which they may need assistance. Dormitory facilities for women are inadequate, and prospective students desiring such accommodations are urged to make early application. Inquiries in regard to board and rooms in the women's halls should be addressed to The Manager of Residential Halls, Sage College, Ithaca, N. Y.

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FIRST YEAR—SESSION 1927-1928—FIRST TERM

	8	9	10	11	12	2	3	4
Mon.	Anatomy	Histol.	Histology			Anatomy		
Tues.	Anatomy					Anatomy		
Wed.	Anatomy	Histol.	Histology			Anatomy		
Thurs.	Anatomy					Anatomy		
Fri.	Anatomy	Histol.	Histology			Anatomy		
Sat.		Histol.	Histology					

FIRST YEAR—SESSION 1927-1928—SECOND TERM

	8	9	10	11	12	2	3	4
Mon.	ANATOMY					Nervous System		
Tues.	Physiol.	Biochem.	Physiology			Physiology		
Wed.	Physiol.	Biochem.	Nervous System			Biochemistry		
Thurs.	Physiol.	Biochem.	Physiology			Nervous System		
Fri.	Physiol.	Biochem.	Biochemistry			Biochemistry		
Sat.		Biochem.	Biochemistry					



STUDENT REGISTER

GRADUATES, 1926.

Doctor of Medicine, June 10, 1926.

- Robert Saunders Ackerly, A.B., 1922, Cornell University
New York Post Graduate Hospital
- Harry Christie Aitken, A.B., 1921, Stanford University.....French Hospital
- Walter Ing Akana, B.A., 1922, Cornell University
Oneida County Hospital, Utica, N. Y.
- Irwin Alters, B.S., 1919, New York UniversityLincoln Hospital
- Philip Brownell Armstrong, B.S., 1921, Massachusetts Agricultural College
Dept. of Anatomy, Cornell University Medical College
- Myron August, A.B., 1922, Western Reserve University
Mt. Sinai Hospital, Cleveland, Ohio
- Stanley Day Banks, B.A., 1922, Alfred University
Peck Memorial Hospital, Brooklyn, N. Y.
- Aaron Bell, B.A., 1923, Cornell UniversityBellevue Hospital
- Beatrice Mary Belser, A.B., 1923, Cornell University
St. Peter's Hospital, Albany, N. Y.
- Elizabeth Brakeley, A.B., 1916, Bryn Mawr, A.M., 1917, Ph.D., 1920,
Columbia UniversityBellevue Hospital
- Roswell Kingsbury Brown, B.S., 1919, Wooster College....Roosevelt Hospital
- Katherine Kundsén Burnet, A.B., 1921, Vassar College
Newark City Hospital, Newark, N. J.
- Lyman Burnham, A.B., 1923, Cornell University
Brooklyn Hospital, Brooklyn, N. Y.
- John Spencer Carman, A.B., 1921, University of Rochester
Methodist Episcopal Hospital, Brooklyn, N. Y.
- Juilius Chasnoff, B.S., 1922, College of the City of New York
Beth Israel Hospital
- Kenneth Mead Clough, A.B., 1923, Cornell University
Peck Memorial Hospital, Brooklyn, and King's County Hospital, Brooklyn, N. Y.
- Robert Lloyd Craig, B.A., 1923, College of the City of New York
Mount Sinai Hospital
- Fritz Jacob Cramer, B.A., 1922, Pomona College
San Diego Co. Hospital, San Diego, Calif.
- Roy George Stewart Dougall, A.B., 1922, John B. Stetson
State Hospital, Beacon, N. Y. and Hartford Hospital, Hartford, Conn.
- Wade Duley, A.B., 1923, Cornell UniversityNew York Hospital
- Emanuel Zachary Epstein, A.B., 1923, Columbia University.Montefiore Hospital
- Blanche Mildred Evans, B.A., 1922, Wellesley College.....Bellevue Hospital
- Paul Fagin, B.S., 1922, College of the City of New York....Lincoln Hospital
- Frank Miller Falconer, A.B., 1922, Cornell University....Roosevelt Hospital
- Irving Graef, A.B., 1923, Cornell University
Michael Reese Hospital, Chicago, Ill.
- Jacob Greenstein, A.B., 1922, Brown University
Memorial Hospital, Providence, R. I.

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- James Dayton Griffith, A.B., 1922, Hamilton College
 Paterson General Hospital, Paterson, N. J.
- Milton Helpern, B.S., 1922, College of the City of New York. Bellevue Hospital
- Theodore George Holzsager, B.S., 1921, College of the City of New York
 Brooklyn Jewish Hospital, Brooklyn, N. Y.
- Edward Kenneth Horton, A.B., 1922, Cornell University
 City Hospital, Welfare Island, N. Y.
- Marion Gertrude Josephi, A.B., 1922, Wellesley College
 N. Y. Infirmary for Women and Children
- Edward Lawrence Keyes, B.S., 1921, Princeton University
 Johns Hopkins Hospital, Baltimore, Md.
- Edwina Kittredge, A.B., 1922, Vassar College
 N. Y. Infirmary for Women and Children and Beekman Street Hospital
- Joseph Harris Lapin, B.Chem., 1920, Cornell University. Metropolitan Hospital
- McKinley London, B.A., 1922, Ohio State University
 City Hospital, Cleveland, Ohio
- Roland Leonard Maier, A.B., 1923, Cornell University
 Bellevue, IV. Division, Ruptured and Crippled
- Dean Wilson Marquis, B.S., 1922, Wooster College
 Methodist Episcopal, Brooklyn, N. Y.
- Joseph Bryant Mathewson, A.B., 1923, Cornell University. New York Hospital
- John Gaffey McGrath, A.B., 1922, Columbia University. . . . Bellevue Hospital
- Edwin Francis Merolla, A.B., 1923, Cornell University
 Bridgeport Hospital, Bridgeport, Conn.
- George Samuel Meister, B.S. in Ch.E., 1919, New York University
 St. Joseph's Hospital, Brooklyn, N. Y.
- Raymond Joseph Millemann, B.S., 1922, Dartmouth College. French Hospital
- Norman Slawson Moore, A.B., 1923, Cornell University. . . . Bellevue Hospital
- Nathan Nemerson, B.S., 1922, New York University
 Brooklyn Jewish Hospital, Brooklyn, N. Y., and Caplan Research Laboratories
- Roger Wendell Ogburn, A.B., 1921, University of North Carolina
 Bellevue Hospital
- Irvine Heimly Page, A.B., 1921, Cornell University. Presbyterian Hospital
- Norman Papae, A.B., 1921, College of the City of New York. Bellevue Hospital
- Samuel Pennell, B.S., 1922, Colby University
 United Israel Zion Hospital, Brooklyn, N. Y.
- Norman Herbert Plummer, A.B., 1922, University of California
 Barnes Hospital, St. Louis, Mo.
- Perry Alexander Proudfoot, B.S., 1913, Amherst College
 Elizabeth General Hospital, Elizabeth, N. J.
- Warren David Robbins, A.B., 1923, Cornell University
 Philadelphia General Hospital, Philadelphia, Pa.
- John Stanislovaitis Staneslow, A.B., 1922, Cornell University
 Strong Memorial Hospital, Rochester, N. Y.
- Catherine Strunk, A.B., 1923, Cornell University Beekman Street Hospital
- Leonard Tarr, B.S., 1921, College of the City of New York
 Brooklyn Jewish Hospital, Brooklyn, N. Y.



STUDENT REGISTER

Janet Graeme Travell, B.A., 1922, Wellesley CollegeNew York Hospital
Bettina Warburg, B.A., 1921, Bryn Mawr College

Strong Memorial Hospital, Rochester, N. Y.

Herbert Spencer Weichel, B.S., 1922, Colgate University ..Lebanon Hospital

James Higgins Whaley, Jr., B.S., 1922, New York University..French Hospital

James Lewis Winemiller, A.B., 1920, Fordham University..Lenox Hill Hospital

Leverett Stearns Woodworth, B.S., 1923, Massachusetts Agricultural College

Strong Memorial Hospital, Rochester, N. Y.

Irving Sherwood Wright, A.B., 1923, Cornell University

New York Post Graduate Hospital

George John Young, A.B., 1923, Cornell University

Memorial Hospital, Morristown, N. J.

CORNELL UNIVERSITY MEDICAL COLLEGE

STUDENTS, 1926-27.

Candidates for Degree of Doctor of Medicine.

FOURTH YEAR.

- Frederick Henry Amendola, B.S., 1923, College of the City of New York
New York, N. Y.
- Anthony Angello, A.B., 1924, Cornell UniversityMt. Vernon, N. Y.
- Charles Webner Barkhorn, B.S., 1923, Princeton University....Newark, N. J.
- Shirley Harold Baron, A.B., 1924, University of Oregon....Portland, Oregon
- Thomas Ignatius Brennan, B.S., 1923, Fordham University...New York, N. Y.
- Henry Arthur Christian, B.S., 1923, New York University...Jersey City, N. J.
- Arthur E. Corwith, A.B., 1924, Cornell University.....Water Mill, N. Y.
- Anthony James Delario, A.B., 1924, Cornell University.....Elmira, N. Y.
- Peter Gilbert Denker, B.S., 1923, College of the City of New York
New York, N. Y.
- Charles Warren DuBois, A.B., 1924, University of California.Los Angeles, Cal.
- Helen Elston, B.S., 1916, Elmira CollegeElmira, N. Y.
- William Louis Fleishfarb, B.S., 1923, New York University...Brooklyn, N. Y.
- Lyman Gill Fussell, A.B., 1923, Columbia University.....Wantagh, N. Y.
- Margaret Heighe Gantt, A.B., 1923, Smith College.....Woodstock, Va.
- William Travis Gibb, A.B., 1924, Columbia University....New York, N. Y.
- Jessie L. Gillespie, A.B., 1922, Randolph-Macon Woman's College
Pounding Mill, Va.
- C. Malcolm Gilman, A.B., 1922, Columbia University....Princess Anne, Md.
- George Joseph Ginandes, B.S., 1923, College of the City of New York
New York, N. Y.
- Benjamin Frank Glasser, B.Ch., 1920, Cornell University.....Brooklyn, N. Y.
- Henry Goldberg, A.B., 1924, Cornell UniversityNew York, N. Y.
- Horace Greeley, Jr., B.S., 1920, Ch.E., 1921, Brooklyn Polytechnic Institute
Brooklyn, N. Y.
- Leander Armand Guite, B.S., 1923, Colby College.....Waterville, Me.
- Walter Gerard Hanlon, A.B., 1922, Columbia University....Stapleton, N. Y.
- John Henry Harrington, A.B., 1924, Cornell University.....Buffalo, N. Y.
- Richard Lawrence Harvey, A.B., 1924, Cornell University...New Rochelle, N. Y.
- Charles F. Hawkins, A.B., 1924, Cornell UniversityBuffalo, N. Y.
- Frank F. Holmberg, A.B., 1924, Cornell University.....Sag Harbor, N. Y.
- Nathan Hudes, A.B., 1924, Cornell UniversityBrooklyn, N. Y.
- Thomas Amos Killip, Jr., A.B., 1924, University of Rochester..Rochester, N. Y.
- George Ladas, A.B., 1924, Cornell UniversityNew York, N. Y.
- Solomon Lasky, B.S., 1918, College of the City of New York...Brooklyn, N. Y.
- Milton I. Levine, B.S., 1923, College of the City of New York, New York, N. Y.
- Robert M. Lintz, A.B., 1924, Cornell University.....New Kensington, Pa.
- Wallace Lisbon, Ph.B., 1923, Brown UniversityProvidence, R. I.
- Victor Wesley Logan, A.B., 1923, Princeton University....New York, N. Y.
- Henry Lowey, A.B., 1924, Cornell UniversityNew York, N. Y.
- Gaston Alexandre Manuel, B.S., 1919, Lausanne University
Lausanne, Switzerland

STUDENT REGISTER

Chauncey J. Mardis, A.B., 1923, Ohio University.....Lebanon, Ohio
Malcolm Woodruff Mason, B.S., 1923, New York University..Brooklyn, N. Y.
Richard Hayes Meagher, Ph.B., 1921, YaleGreenwich, Conn.
Carlotta Mendez, A.B., 1924, Cornell University.....Ithaca, N. Y.
Joseph Harold Merin, B.S., 1923, College of the City of New York

	New York, N. Y.
Saul Moress, A.B., 1923, University of Rochester.....	New York, N. Y.
Leo Joseph O'Donnell, Ph.B., 1923, Brown University.....	Woonsocket, R. I.
Anna R. Schults, A.B., 1920, Hunter College.....	Brooklyn, N. Y.
Anthony Skur, A.B., 1924, Western Reserve University.....	Cleveland, O.
Raymond D. Snyder, A.B., 1924, Cornell University.....	Hillsdale, N. Y.
Paul John Soley, B.S., 1923, Dartmouth College.....	South Orange, N. J.
Karl Peter Stadlinger, B.S., 1923, Dartmouth College.....	Piedmont, Cal.
John George Stubenbord, A.B., 1924, Columbia University....	Jersey City, N. J.
John P. Stump, A.B., 1923, Johns Hopkins University.....	Cumberland, Md.
Victor Ellsworth Thomas, A.B., 1923, Leland Stanford University..	Puente, Cal.
Harry Beal Torrey, B.S., 1895, University of California....	New York, N. Y.
Elsie Ward, A.B., 1923, Cornell University.....	Gloversville, N. Y.
Florence E. Warner, A.B., 1924, Cornell University.....	Binghamton, N. Y.
Henry Booth Wightman, A.B., 1923, Williams College.....	New York, N. Y.
Harold Lynn Wilson, A.B., 1924, Cornell University.....	Buffalo, N. Y.
Jocelyn Woodman, A.B., 1919, Cornell University.....	Brooklyn, N. Y.
S. Bernard Wortis, A.B., 1923, New York University.....	Brooklyn, N. Y.

THIRD YEAR.

Alexander James Barclay, A.B., 1922, Cornell University.....Ardonia, N. Y.
Charles Edward Bauer, B.S., 1924, St. Lawrence University

Poughkeepsie, N. Y.

Leon Alexander Beardsley, A.B., 1925, Cornell University.....Ithaca, N. Y.
Nathan Beckenstein, A.B., 1925, Cornell University.....New York, N. Y.
Irving Beckwith, A.B., 1925, Cornell University.....East Pembroke, N. Y.
Maurice Marshall Berck, A.B., 1925, Columbia University....New York, N. Y.
Curtis Bruen, A.B., 1925, Columbia University.....Towaco, N. J.
George A. Bullwinkle, A.B., 1925, Cornell University.....Brooklyn, N. Y.
Francis Michael Conway, A.B., 1924, Columbia University....Brooklyn, N. Y.
Edwin Christopher Coyne, A.B., 1925, Cornell University.....Yonkers, N. Y.
Hilda Chaffee Crosby, A.B., 1924, Wellesley College.....Hartford, Conn.
Florence Franklin Dean, A.B., 1924, Cornell University....New York, N. Y.
Samuel Dimond, B.S., 1924, New York University.....New York, N. Y.
Ruth Earp, A.B., 1924, Wellesley College.....Madison, N. J.
James Francis Flattery, A.B., 1924, College of the City of New York,

New York, N. Y.

George Camp Freeman, B.S., 1923, Rutgers College.....Millington, N. J.
Milton Goldberger, A.B., 1924, Brown University.....Providence, R. I.
Milton Goodfried, B.S., 1924, New York University.....Mt. Vernon, N. Y.
Lloyd Poor Gray, A.B., 1924, A.M., 1925, Cornell University..Clayton, N. Y.
Sidney Matthew Greenberg, A.B., 1925, Cornell University...Brooklyn, N. Y.

CORNELL UNIVERSITY MEDICAL COLLEGE

- Harry Jonathan Greene, B.S., 1924, Colby College.....Brooklyn, N. Y.
 Patrick Louis Gryzwacz, B.S., 1924, Massachusetts Agricultural College,
 Ware, Mass.
 Edward Flemmon Hall, Jr., A.B., 1924, Cornell University..Birmingham, Ala.
 Bernard Hatz, B.Chem., 1921, Cornell University.....Brooklyn, N. Y.
 Louise Hunt, A.B., 1921, Smith College.....New York, N. Y.
 James Hugh Kidder, A.B., 1924, Fordham University.....New York, N. Y.
 Henry Bingham Kirkland, A.B., 1924, Princeton University...Brooklyn, N. Y.
 Milton Kissin, A.B., 1925, Cornell University.....New York, N. Y.
 Herbert N. Klein, A.B., 1923, College of the City of New York, New York, N. Y.
 Samuel Harold Klein, A.B., 1925, Cornell University.....Brooklyn, N. Y.
 Ernest Hall Kline, A.B., 1924, Cornell University.....Nyack, N. Y.
 Joseph Anton Latona, A.B., 1925, Cornell University.....Garfield, N. J.
 Ilse Dorothea Lemcke, B.S., 1920, Barnard College.....Orange, N. J.
 Isabel Marion London, A.B., 1922, Barnard College.....New York, N. Y.
 Edward Francis Malloy, A.B., 1925, Colgate University.....Ilion, N. Y.
 Arthur Frederick Mangelsdorff, B.S., 1925, Rutgers College..Union Hill, N. J.
 Duncan Tracy McEwan, A.B., 1925, Cornell University...Cooperstown, N. Y.
 Adolph Thomas Milhorat, A.B., 1924, Columbia University..Carlstadt, N. J.
 Max Moses, A.B., 1924, Alfred University.....Spring Valley, N. Y.
 Samuel Myerson, B.S., 1924, College of the City of New York..Brooklyn, N. Y.
 Grace Trenholme Newman, A.B., 1921 Adelphi College.....Brooklyn, N. Y.
 Valentine Nowicki, A.B., 1925, Cornell University.....Yonkers, N. Y.
 Tsung Tsong Nyi, A.B., 1924, Smith College.....Soochow, China
 David Harold Paley, B.S., 1925, Alfred University.....New York, N. Y.
 Madelin Ruth Perry, A.B., 1924, Cornell University.....Ithaca, N. Y.
 Armand James Quick, B.S., 1918, University of Wisconsin.....Theresa, Wis.
 Charles Howard Rothfuss, B.S., 1922, Susquehanna University
 Williamsport, Pa.
 Joseph Robert Shaeffer, Jr., A.B., 1925, Cornell University..Ballston Spa, N. Y.
 Edward Felix Shnayerson, B.S., 1924, Dartmouth College....Brooklyn, N. Y.
 Rose Spiegel, A.B., 1925, Cornell University.....Brooklyn, N. Y.
 Morton Samuel Stern, B.S., 1923, Dartmouth College.....Berlin, N. H.
 Mossey Sussman, B.S., 1923, New York University.....Jersey City, N. J.
 Jesse Tolmach, A.B., 1924, Syracuse University.....Brooklyn, N. Y.
 Calvin Clark Torrance, B.S., 1924, Colgate University..North Tarrytown, N. Y.
 Donald Dennis Trantum, B.S., 1925, Colgate University....Jamestown, N. Y.
 Reuben Turner, A.B., 1925, Cornell University.....New York, N. Y.
 Stratford Corbett Wallace, A.B., 1925, Columbia University..New York, N. Y.
 Joseph Waxelbaum, A.B., 1925, Cornell University.....Brooklyn, N. Y.
 Joseph Gerard Welling, A.B., 1923, Fordham University..New Rochelle, N. Y.
 Arthur Archibald Weinberg, A.B., 1924, University of Southern California,
 Brooklyn, N. Y.
 Olive Whitney Wheaton, A.B., 1924, Hunter College.....San Francisco, Cal.
 A. J. Whitehouse, A.B., 1924, University of Kentucky.....Lexington, Ky.
 James Isadore Yanick, B.S., 1924, Alfred University.....Paterson, N. J.
 Isidore Charles Zuckerman, B.S., 1924, College of the City of New York,
 Brooklyn, N. Y.

STUDENT REGISTER

SECOND YEAR.

Herbert Spencer Abel, A.B., 1925, Harvard College.....Providence, R. I.
Ethelyn Anderson, B.S., 1923, Syracuse University.....Olean, N. Y.
Abraham Arthur Antoville, A.B., 1926, Cornell University..New York, N. Y.
Samuel Averett Arnold, A.B., 1926, Cornell University.....New York, N. Y.
Sara Bass, A.B., 1926, Cornell University.....New York, N. Y.
James Randolph Beard, Jr., B.S., 1925, Wesleyan University.Brooklyn, N. Y.
Arthur Randall Beil, Ph.B., 1925, Brown University.....Youngstown, N. Y.
William Benenson, A.B., 1925, Cornell University.....Napanock, N. Y.
Ignacio Bird-Acosta, A.B., 1926, Cornell University.....Porto Rico
Joseph Brody, A.B., 1926, Cornell University.....Brooklyn, N. Y.
Umbert Cimildoro, A.B., 1926, Cornell University.....Auburn, N. Y.
Paul W. Cohen, B.S., College of the City of New York....New York, N. Y.
Thomas F. Crowley, A.B., 1926, Cornell University.....Buffalo, N. Y.
Ernani d'Angelo, A.B., 1926, Cornell University.....Corona, L. I.
Charles Hartranft Deichman, A.B., 1926, Cornell University.New York, N. Y.
Dominic Anthony De Santo, A.B., 1925, Columbia University.Elizabeth, N. J.
Harold Henning Dodds, A.B., 1925, Williams College.....Troy, N. Y.
Albert Harris Douglas, B.S., 1925, College of the City of New York

New York, N. Y.

Frank Mears Falkenbury, A.B., 1926, Cornell University....Whitehall, N. Y.
John Stanley Fitzgerald, B.S., 1923, Hamilton College.....Utica, N. Y.
Ruth Bridgman Ferriss, A.B., 1925, Syracuse University....Madison, N. J.
Bernard Fread, B.S., 1925, College of the City of New York.New York, N. Y.
Albert Harold Garofalo, A.B., 1924, Syracuse University....Syracuse, N. Y.
William Parrish Garver, A.B., 1926, Cornell University.....Lorian, Ohio
Herman Glassman, B.S., 1925, Colby College.....Brooklyn, N. Y.
Jack Sternberg Goltman, B.S., 1922, University of Pennsylvania, A.B., 1925,
University of Pennsylvania Memphis, Tenn.
Charles Kemm Good, A.B., 1924, Columbia University.....Union City, N. J.
Richard Birchill Good, B.S., 1925, New York University....Union City, N. J.
Harry Gordon, A.B., 1926, Cornell University.....Tarrytown, N. Y.
Grant Guillemont, A.B., 1925, Cornell University, A.M., 1926,

.....Niagara Falls, N. Y.

Erwin Kroll Gutmann, A.B., 1925, Columbia University..... Jersey City, N. J.
Louis Richard Hass, B.S., 1925, New York University..... Palisade, N. J.
Virginia Clay Hamilton, A.B., 1925, Wellesley College.... Lexington, Ky.
Arthur Joseph Harrington, A.B., 1926, Cornell University... Buffalo, N. Y.
Edwin Harry Heller, A.B., 1926, Cornell University..... Bayside, N. Y.
Saul Isaac Heller, A.B., 1925, Cornell University..... New York, N. Y.
Kenneth Mac Leod Hill, A.B., 1926, Columbia University... New York, N. Y.
William Maxwell Hitzig, A.B., 1926, Columbia University. Astoria, L. I., N. Y.
Winifred Louise Hope, A.B., 1922, Smith College..... Katonah, N. Y.
Frances Lillian Ilg, A.B., 1925, Wellesley College..... Manitowish, Wis.
Raymond James Kay, A.B., 1925, Cornell University..... Central Falls, R. I.
Le Moyne Copeland Kelley, A.B., 1924, University of Rochester

Rochester, N. Y.

CORNELL UNIVERSITY MEDICAL COLLEGE

George Henry Kittell, A.B., 1925, Hamilton College.....Jamaica, N. Y.
Estelle Elizabeth Kleiber, B.S., 1924, New York University (Washington
Square College) Hoboken, N. J.
Charles Andrew Landshof, B.S., 1925, New York University. Jersey City, N. J.
Frank Schmidt Linane, A.B., 1925, St. John's College.....Brooklyn, N. Y.
Richard L. Long, A. B., 1924, Cornell University....Charlemont, Mass.
Annie-Parks McCombs, B.S., 1925, Connecticut College...Charlotte, N. C.
Elizabeth Miller McNaugher, A.B., 1917, Radcliffe College..New York, N. Y.
Pompey Scipio Milici, B.S., 1925, Yale University.....New Haven, Conn.
Lawrence Dixon Murphy, A.B., 1922, Johns Hopkins University
Washington, D. C.
John Noll, Jr., A.B., 1925, Cornell University.....Youngstown, Ohio
Paul Lange Phillips, A.B., 1924, Bowdoin College.....Brooklyn, N. Y.
Herbert Pollack, A.B., 1925, Washington and Lee University
New York, N. Y.
Albert Grant Rapp, Alfred College.....Paterson, N. J.
Eugene Laurian Richmond, A.B., 1924, Clark University..Worcester, Mass.
Adelaide Romaine, A.B., 1926, Cornell University.....Seabright, N. J.
Harold Carl Rosenthal, A.B., 1925, Cornell University...Poughkeepsie, N. Y.
Sol Lawrence Samuels, A.B., 1926, Cornell University....Brooklyn, N. Y.
Louis Schneider, B.S., 1913, Syracuse University.....Brooklyn, N. Y.
Frederick Gilman Scovel, A.B., 1925, Hamilton College....Cortland, N. Y.
Robert Thurston Spicer, A.B., 1925, Alfred University...Plainfield, N. J.
Herman Tannenbaum, B.S., 1925, College of the City of New York
New York, N. Y.
Albert Vander Veer, III, A.B., 1925, Yale College.....Albany, N. Y.
Henry Ambrose Wahn, A.B., 1925, Manhattan College.....New York, N. Y.
Wilfred Davies Wingeback, B.S., 1925, College of the City of New York
New York, N. Y.
John Emile Wirth, A.B., 1926, Columbia University.....Havana, Cuba

FIRST YEAR.

Rowland Thompson Bellows, Ph.B., 1925, Brown University	East Orange, N. J.
Harold James Benson, B.S., 1925, New York University.	West New York, N. J.
Gerrit Bevelander, A.B., 1926, Hope College.....	West Sayville, N. Y.
Edward Craig Coats, Alfred University*.....	Wellsville, N. Y.
Peter John De Bell, A.B., 1926, Hope College.....	Passaic, N. J.
Emanuel de Lalla, A.B., 1926, Hamilton College.....	Utica, N. Y.
Arthur John Dick, A.B., 1926, Union College.....	Flushing, L. I., N. Y.
Benjamin Victor di Iorio, A.B., 1925, Colgate University.....	Utica, N. Y.
John Aloysius Fallon, Columbia University*.....	Brooklyn, N. Y.
Richard Lionel Frank, B.S., 1926, Yale University (Sheffield Scientific School)	Ogdensburg, N. Y.
Ben Bernard Gelfand, A.B., 1926, Morningside College....	Sioux City, Iowa
Raymond Gettinger, B.S., 1926, College of the City of New York	New York, N. Y.

STUDENT REGISTER

Sol Roland Goldstein, A.B., 1926, Cornell University.....Rochester, N. Y.
 Morris Goodman, B.S., 1926, New York University.....New York, N. Y.
 James Francis Hickey, A.B., 1922, Cornell University.....Ithaca, N. Y.
 George Fred Hilker, B. S., 1926, Rutgers College.....Perth Amboy, N. J.
 Edward Gorman Hinchliffe, A.B., 1923, Catholic University of America, B.S.,
 1925, St. Bonaventure's College.....Paterson, N. J.
 Mary Brickett Holt, B.A., 1925, State University of Iowa

Cedar Rapids, Iowa

Alfred Anthony Imperato, B.S., 1925, St. John's College, M.A., 1926,
Columbia UniversityNew York, N. Y.

Harry Inkster, B.S., 1924, University of Washington...Seattle, Washington

Margaret Alice Kennard, A.B., 1922, Bryn Mawr College

William August Lange, B.S., 1925, New York University M.S., 1926,
New York UniversityBrooklyn, N. Y.
Morris Boynton Lerner, A.B., 1923, University of California

Edwin Rayner Levine, B.S., 1926, New York University..New York, N. Y.
Mack Lipkin, B.S., 1926, College of the City of New York..Brooklyn, N. Y.
Edward Henry Major, Pennsylvania State College*.....Nanticoke, Pa.
Charles Lowell Medd, Colgate University*.....Maplewood, N. J.
Edward Joseph Moress, University of Rochester*.....Rochester, N. Y.
Arcadia Tigrio Obando, A.B., 1926, University of Southern California

	Mexico, D. F.
Helen Haslett Owen, A.B., 1918, Smith College.....	Troy, N. Y.
Madeline Penke, A.B., 1926, Barnard College.....	Corona, N. Y.
Mildred Pellens, A.B., 1917, St. Lawrence University.....	Montclair, N. J.
Paul William Preu, Catholic University of America*.....	Newark, N. J.
Walter Rautenstrauch, Jr., Columbia University*.....	Palisade, N. J.
Evelyn Rogers, B.A., 1922, Bryn Mawr College M.A., 1925, Columbia	

University	New York, N. Y.
Oscar Rogol, Ph.B., 1926, Brown University.....	Seymour, Conn.
Frank David Rossomondo, A.B., 1926, Cornell University....	New York, N. Y.
William F. J. Ryan, A.B., 1925, Fordham University.....	Newark, N. J.
Walter John Schmidt, B.S., 1926, College of the City of New York	

George Wellington Slaughter, A.B., 1926, Hamilton College..Walden, N. Y.
Joseph Alphonsus Smith, B.S., 1926, Rutgers University..Perth Amboy, N. J.
William Dennis Thibodeau, B.S., 1925, Hobart College.....Newport, N. H.
Charles Daniel Wahn, B.S., 1926, Manhattan College.....New York, N. Y.
Walter Edwin Williams, B.S., 1926, Manhattan College....Westerly, R. I.

*Admitted under Clause II

FIRST YEAR AT ITHACA

Alfred S. Ambler, A.B., 1927, Cornell University*.....College Point, N. Y.
Richard D. Bullard, A.B., 1927, Cornell University*...Schuylerville, N. Y.
Albert L. Chapman, A.B., 1927, Cornell University*...Port Richmond, N. Y.

CORNELL UNIVERSITY MEDICAL COLLEGE

- Herman Christensen, B.S., 1926, Cornell University.....Ithaca, N. Y.
 Henry S. Dunning, A.B., 1927, Cornell University*.....Syracuse, N. Y.
 Edna G. Dyar, A.B., 1914, Wisconsin University, Ph.D., George
 Washington University, 1923.....Ithaca, N. Y.
 Germaine Guntzer, B.S., 1923, Trinity College.....Port Chester, N. Y.
 Charles Gurchot, B.S., 1921, College of the City of New York, Ph.D.
 1925, Cornell UniversityIthaca, N. Y.
 Mabel Huschka, B.S., 1910, Beloit College.....Minneapolis, Minn.
 Allen D. Keller, B.S., 1924, Utah Agricultural College.....Ithaca, N. Y.
 Marguerite Kingsbury, A.B., 1926, Cornell University.....Ithaca, N. Y.
 Nathan V. Kwit, A.B., 1927, Cornell University*.....Brooklyn, N. Y.
 Virginia H. Langworthy, B.S., 1913, Michigan State College, M.S., 1915,
 Michigan State CollegeAlbany, N.Y.
 Robert R. M. McLaughlin, A.B., 1926, Cornell University..White Plains, N. Y.
 Lawrence Miscall, A.B., 1926, Cornell University.....Albany, N. Y.
 John G. Muccigrosso, A.B., 1926, Fordham University.....New York, N. Y.
 Charles G. Murdock, Jr., A.B., 1927, Cornell University*.....Auburn, N. Y.
 Irving Ostrow, A.B., 1927, Cornell University*.....Poughkeepsie, N. Y.
 Warren J. Pashley, A.B., 1927, Cornell University*.....Oneonta, N. Y.
 Louis Penn, A.B., 1927, Cornell University*.....Brooklyn, N. Y.
 Robert F. Pile, A.B., 1927, Cornell University*.....Ithaca, N. Y.
 Solomon Rauch, A.B., 1926, Cornell University.....Astoria, L. I.
 Samuel Rosen, A.B., 1925, Cornell University.....Newark, N. J.
 Daniel L. Rothschild, A.B., 1927, Cornell University*.....Newark, N. J.
 John Sassani, A.B., 1927, Cornell University*.....Binghamton, N. Y.
 Stephen H. Sherman, A.B., 1926, Yale University.....Bridgeport, Conn.
 David Soloway, A.B., 1926, Cornell University.....New York, N. Y.
 Leo H. Speno, A.B., 1926, Colgate University.....Ithaca, N. Y.
 John D. Stroud, A.B., 1926, Pomona CollegePomona, Calif.
 Michael P. Vinciguerra, A.B., 1926, Cornell University.....Jamaica, N. Y.
 J. L. Wierda, A.B., 1922, Hope College.....Holland, Mich.

*Admitted under Clause II.

Graduate Students (Not Candidates for a Degree)

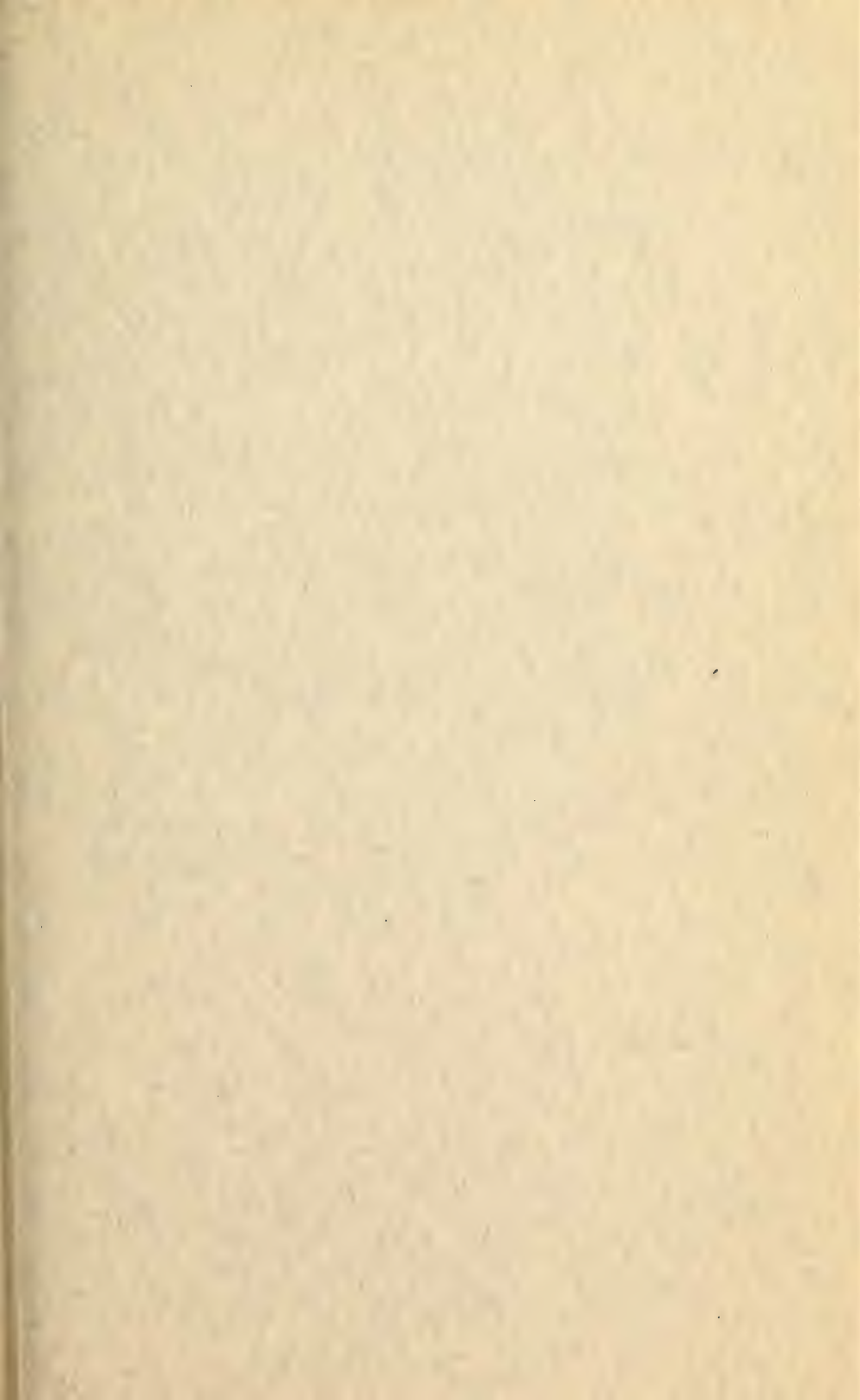
- Katherine Metcalf Allen, University College, London (Obstetrics and
 Gynecology)London, England
 Jeannette Harker Harley, A.B., 1926, Adelphi College (Pathology)
 Brooklyn, N. Y.
 Katherine Veronica Kreidel, A.B., 1920, Hunter College (Anatomy)
 New York, N. Y.
 Jesse Abraham Levine, M.D., 1915, Fordham University (Pathology)
 Spring Valley, N. Y.
 Theodore Lint, M.D., 1923, Yale University (Anatomy)Neponsit, N. Y.
 Herman Leslie Wenger, B.S., 1920, New York University, M.D., 1922,
 New York University (Anatomy and Pathology).....Paterson, N. J.
 Joseph Guy Sutton, B.S., 1918, Vanderbilt University, M.D., 1922, Vander-
 bilt University (Anatomy)Cedar Grove, N. J.

STUDENT REGISTER

SUMMARY

Fourth Year	58
Third Year	64
Second Year	67
First Year at New York City.....	44
First Year at Ithaca.....	31
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Candidates for the degree of M.D.....	264
Graduate Students	7
<hr/>	
Total.....	271





CORNELL UNIVERSITY

The GRADUATE SCHOOL (Degrees A.M., Ph.D., etc.)

The COLLEGE OF ARTS AND SCIENCES (Degrees A.B. and B. Chem.)

The COLLEGE OF LAW (Degree LL.B.)

The MEDICAL COLLEGE* (Degree M.D.)

The NEW YORK STATE VETERINARY COLLEGE (Degree D.V.M.)

The COLLEGE OF AGRICULTURE (Degree B.S.)

The COLLEGE OF ARCHITECTURE (Degree B.Arch.)

The COLLEGE OF CIVIL ENGINEERING (Degree C.E.)

The SIBLEY COLLEGE OF MECHANICAL ENGINEERING AND MECHANIC ARTS
(Degree M.E.)

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Ithaca, N. Y.

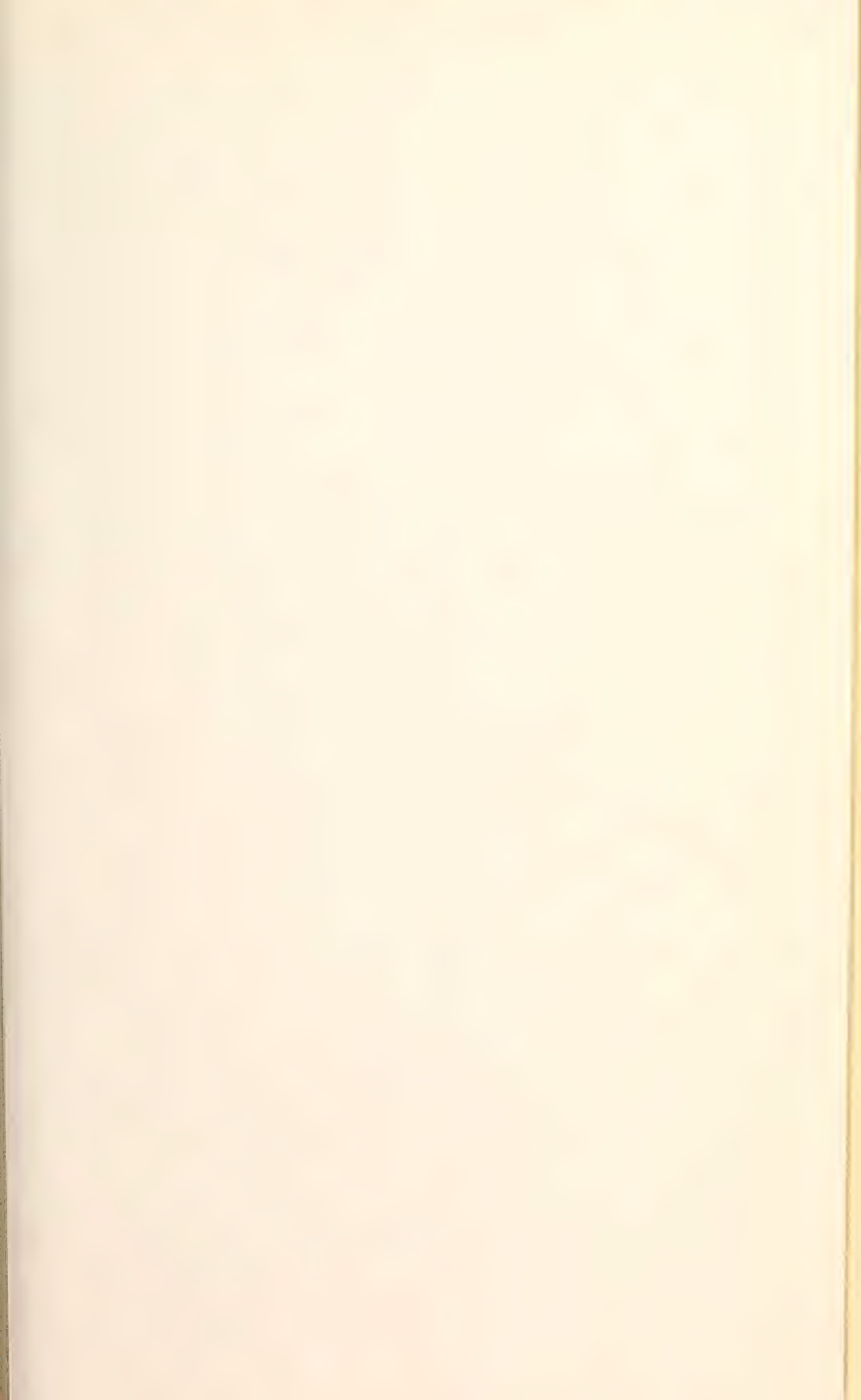
*The full four-year course of the CORNELL UNIVERSITY MEDICAL COLLEGE is given in the City of New York; the work of the first year is also given at Ithaca. Any student may take the first year either at New York City or at Ithaca. *All students take the last three years of the course in New York City only.* Special announcement of the Medical College and information of every kind regarding all four years will be furnished on application to

SECRETARY, Cornell University Medical College,
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1928

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NEW YORK CITY

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The Annual Announcement of the Medical College and
Reprinted Studies from the Several Departments of the Medical College
and its Research Laboratories

C O R N E L L
U N I V E R S I T Y
M E D I C A L B U L L E T I N

A N N O U N C E M E N T
O F T H E
M E D I C A L C O L L E G E
N E W Y O R K A N D I T H A C A
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JANUARY, 1928
PUBLISHED BY CORNELL UNIVERSITY
477 FIRST AVENUE
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CALENDAR

1928

- Jan. 3. Tuesday, 9 A.M.—Christmas recess ends. Second term begins.*
- Feb. 22. Wednesday—Legal holiday.
- March 10. Saturday, 6 P.M.—Second term ends.*
- March 12. Monday, 9 A.M.—Third term begins.*
- April 5. Thursday, 6 P.M.—Easter recess begins.
- April 9. Monday, 9 A.M.—Easter recess ends.
- May 26. Saturday, 6 P.M.—Third term ends.
- May 28. Monday—Examinations begin.
- May 30. Wednesday—Legal holiday.
- June 7. Thursday—Commencement.
- Sept. 19. Monday—Examinations begin for admission to the first year of all departments of Cornell University at Ithaca, N. Y.
- Sept. 30. Friday—Examinations begin for conditioned students and for those applying for advanced standing in the Medical College at New York City.
- Oct. 1. Monday—Last day for Registration.
- Oct. 2. Tuesday, 9 A.M.—Instruction begins.
- Oct. 12. Friday—Legal holiday.
- Nov. 6. Tuesday—Election Day, legal holiday.
- Nov. 28. Wednesday, 6 P.M.—Thanksgiving recess begins.
- Dec. 3. Monday, 9 A.M.—Thanksgiving recess ends.
- Dec. 22. Saturday, 6 P.M.—First term ends.* Christmas recess begins.

1929

- Jan. 7. Monday, 9 A.M.—Second term begins.
- Feb. 22. Friday—Legal holiday.
- March 16. Saturday, 6 P.M.—Second term ends.*
- March 18. Monday, 9 A.M.—Third term begins.*
- March 28. Thursday, 6 P.M.—Easter recess begins.
- April 1. Monday, 9 A.M.—Easter recess ends.
- May 30. Wednesday—Legal holiday.
- June 1. Saturday, 6 P.M.—Third term ends.
- June 3. Monday—Examinations begin.
- June 13. Thursday—Commencement.

*The session is subdivided into three terms of twelve, ten, and eleven weeks, respectively, and courses are scheduled in conformity with this subdivision.

All students must be registered at the secretary's office at or before the opening of the session. No student will be admitted after Registration Day without special permission of the Faculty. Immediately after registration the fees must be paid at the treasurer's office.

Any student may take the first year at either New York City or Ithaca. All students take the last three years at New York City only.

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*Term of office expires in 1928, the next group of six in 1929, etc. B, elected by the Board; A, elected by Alumni; G, appointed by Governor; Gr, elected by State Grange.

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At the foundation of the Medical College the following resolution establishing a Medical College Council and determining its functions was adopted by the Board of Trustees of Cornell University.

Resolved, That for the purpose of making recommendations to the Board of Trustees or the Executive Committee in relation to the business management of the Medical College there be established, and there is hereby established, a Medical College Council which shall consist of seven members, to wit: the President of the University (who shall be *ex-officio chairman*), the Dean of the Medical College, and three trustees to be elected by the Board of Trustees or the Executive Committee, who shall be appointed, one for one year, one for two years, and one for three years, and their successors to be appointed for three years, and two members of the Faculty, to be elected by the Faculty, who shall be appointed, one for one year and one for two years, and their successors to be appointed for two years, and that all appointments to fill vacancies be made for unexpired terms.

The Council at present consists of the following members:

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CORNELL UNIVERSITY MEDICAL COLLEGE

CHARLES A. DRAKE, M.D.,

Instructor in Clinical Surgery, Department of Ophthalmology.

WILLIAM P. DRISCOLL, M.D.,

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ROBERT O. DuBOIS, A.B., M.D.,

Assistant in Clinical Pediatrics.

JOSEPH P. EIDSON, A.B., M.D.,

Instructor in Clinical Medicine, Department of Psychiatry.

HAYNES H. FELLOWS, A.B., M.D.,

Instructor in Clinical Medicine.

BERNARD S. FRENCH, A.B., M.D.,

Assistant in Pharmacology.

LYNN L. FULKERSON, A.B., M.D.,

Instructor in Obstetrics and Gynecology.

HELEN GAVIN, A.M., M.D.,

Instructor in Clinical Medicine.

C. MALCOLM GILMAN, A.B., M.D.,

Instructor in Anatomy.

ANDREW J. GILMOUR, Ph.B., M.D.,

Instructor in Clinical Medicine, Department of Dermatology.

HARRY GOLD, A.B., M.D.,

Instructor in Pharmacology.

ELLA F. GROVE,

Instructor in Immunology.

CONNIE M. GUION, A.B., M.D.,

Instructor in Clinical Medicine.

HARRY H. HAMILTON, M.D.,

Instructor in Clinical Medicine.

KRISTIAN G. HANSSON, A.B., M.D.,

Instructor in Clinical Surgery, Department of Orthopedic Surgery.

EDWIN T. HAUSER, A.B., M.D.,

Instructor in Medicine.

LOUIS A. HAUSER, M.D.,

Instructor in Clinical Medicine.

WILLIAM V. HEALEY, A.B., M.D.,

Instructor in Operative Surgery.

ROY B. HENLINE, M.D.,

Instructor in Clinical Surgery, Department of Urology.

RALPH E. HERENDEN, M.D.,

Instructor in Roentgenology.

LELAND E. HINSIE, M.D.,

Instructor in Clinical Medicine, Department of Psychiatry.

FACULTY OF MEDICINE

EVELYN HOLT, A.B., M.D.,

Instructor in Clinical Medicine.

GEORGE H. HYSLOP, A.B., M.D.,

Instructor in Clinical Medicine, Department of Neurology.

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Instructor in Medicine.

H. H. JOHNSON, M.D.,

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AQUIN S. KELLY, M.D.,

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SAMUEL F. KELLEY, M.D.,

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JOSEPH E. J. KING, M.S., M.D.,

Instructor in Surgery.

LISLE B. KINGERY, A.B., M.D.,

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WINIFRED KIRK, A.B., M.D.,

Instructor in Clinical Medicine.

THOMAS J. KIRWIN, A.B., M.D.,

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LEILA C. KNOX, A.B., M.D.,

Instructor in Surgical Pathology.

ARTHUR F. KRAETZER, A.B., M.D.,

Instructor in Clinical Medicine, Department of Dermatology.

MICHAEL LAKE, A.B., M.D.,

Instructor in Clinical Medicine.

BERTON LATTIN, A.B., M.D.,

Instructor in Clinical Medicine.

EUGENIE LESLIE, M.D.,

Assistant in Bacteriology.

LEON I. LEVINE, B.S., M.D.,

Instructor in Clinical Medicine.

ASA L. LINCOLN, A.B., M.D.,

Instructor in Medicine.

GERVAIS W. MCAULIFFE, M.D.,

Instructor in Clinical Surgery, Department of Otology.

HOWARD S. MCCANDLISH, M.D.,

Instructor in Obstetrics and Gynecology.

WALTER S. MCCLELLAN, M.D.,

Instructor in Medicine.

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Instructor in Obstetrics and Gynecology.
- JOSEPH S. J. MANNING, JR., M.D.,
Instructor in Surgery.
- PENELOPE MARSH, A.B.,
Bacteriologist, Department of Surgery.
- HAYES E. MARTIN, A.B., M.D.,
Instructor in Clinical Surgery.
- KIRBY MARTIN, M.D.,
Instructor in Clinical Medicine.
- EDGAR L. MILFORD, A.B.,
Assistant in Bacteriology and Immunology.
- ADOLPH T. MILHORAT, A.B.,
Assistant in Physiology.
- JOHN H. MORRIS, A.B., M.D.,
Assistant in Surgical Research, Department of Surgery.
- HUGH E. MORROW, A.B.,
Instructor in Chemistry.
- THOMAS A. MULCAHY, M.D.,
Instructor in Clinical Surgery, Department of Laryngology, and Rhinology.
- CHARLES HALPIN NAMMACK, A.B., M.D.,
Instructor in Medicine.
- JOSEPH N. NATHANSON, M.D.,
Instructor in Obstetrics and Gynecology.
- RALPH W. NAUSS, B.S., M.D., D.P.H.,
Instructor in Public Health and Preventive Medicine.
- ELEANOR B. NEWTON, A.B.,
Assistant in Chemistry.
- SAMUEL P. OAST, M.D.,
Instructor in Clinical Surgery, Department of Ophthalmology.
- CHARLES T. OLCOTT, A.B., M.D.,
Instructor in Pathology and in Surgical Pathology.
- EMIL OSTERBERG,
Instructor in Chemistry.
- DOUGLASS PALMER, A.B., M.D.,
Instructor in Clinical Medicine.
- RUSSEL H. PATTERSON, M.D.,
Instructor in Surgery.
- PAUL LANGE PHILLIPS, A.B.,
Assistant in Anatomy.
- ANNA PLATT, A.B., M.D.,
Instructor in Clinical Medicine.
- ALFRED PLAUT, M.D.,
Instructor in Gynecological Pathology.
- ARMAND QUICK, M.S., PH.D.,
Assistant in Surgical Research.
- J. RANDOLPH QUINN, A.B., M.D.,
Instructor in Clinical Medicine.
- ALGERNON B. REESE, B.S., M.D.,
Instructor in Clinical Surgery, Department of Ophthalmology.

FACULTY OF MEDICINE

- JOHN H. RICHARDS, M.D.,
Instructor in Clinical Pathology and in Medicine.
- DOROTHY R. RHODES, A.B.,
Assistant in Medicine.
- RAY H. RULISON, PH.B., M.D.,
Instructor in Clinical Medicine, Department of Dermatology.
- MORTON RYDER, A.B., M.D.,
Instructor in Clinical Medicine.
- JESSE F. SAMMIS, A.B., M.D.,
Instructor in Pediatrics.
- PAUL K. SAUER, PH.G., M.D.,
Instructor in Operative Surgery.
- EDWARD W. SAUNDERS, M.D.,
Instructor in Clinical Surgery and Assistant in Surgical Research.
- IRVING SCHWARTZ, A.B., M.D.,
Instructor in Roentgenology.
- EPHRAIM SHORR, A.B., M.D.,
Instructor in Clinical Medicine.
- MALCOLM K. SMITH, A.B., M.D.,
Instructor in Clinical Medicine.
- WILLIAM L. SNEED, M.D.,
Instructor in Applied Anatomy.
- CHARLES T. SNYDER, M.D.,
Instructor in Obstetrics and Gynecology.
- WILL C. SPAIN, A.B., M.D.,
Instructor in Applied Immunology.
- RAMSAY SPILLMAN, A.B., M.D.,
Instructor in Roentgenology.
- WALTER STENSON, M.D.,
Instructor in Operative Surgery.
- JUNIUS W. STEPHENSON, M.D.,
Instructor in Clinical Medicine, Department of Neurology.
- NEIL C. STEVENS, A.B., M.D.,
Instructor in Clinical Medicine.
- LEWIS D. STEVENSON, A.B., M.D.,
Instructor in Neuro-Pathology and in Clinical Medicine, Department of Neurology
- PHILIP MOEN STIMSON, A.B., M.D.,
Instructor in Pediatrics.
- WHEELAN DWIGHT SUTLIFF, A.B., M.D.,
Instructor in Medicine.
- JOHN E. SUTTON, JR., A.M., M.D.,
Assistant in Clinical Surgery.
- RUTH A. THOMAS, A.B., C.P.H.,
Instructor in Bacteriology.
- EDWARD TOLSTOI, A.B., M.D.,
Instructor in Clinical Medicine.
- GEORGE W. VANDEGRIFT, A.M., M.D.,
Instructor in Clinical Surgery, Department of Ophthalmology.

CORNELL UNIVERSITY MEDICAL COLLEGE

- EMILIA M. VICARI, A.M.,
Research Assistant in Anatomy.
- PRESTON ALLEN WADE, A.B., M.D.,
Assistant in Surgery.
- THOMAS E. WALDIE, A.B., M.D.,
Instructor in Pediatrics.
- HARRY J. WALSH, B.S., M.D.,
Instructor in Surgical Pathology.
- JOHN S. WARE, M.D.,
Instructor in Clinical Surgery, Department of Orthopedic Surgery.
- W. MORRIS WEEDEN, A.B., M.D.,
Instructor in Surgery.
- CARL E. WEIGLE, M.D.,
Assistant in Clinical Pediatrics.
- SYDNEY WEINTRAUB, M.D.,
Instructor in Clinical Medicine.
- FLORENCE WEST, A.B.,
Assistant in Surgical Research.
- HARRIET WHITE, A.B., M.D.,
Instructor in Clinical Medicine.
- JAMES R. WILSON, B.S., M.D.,
Instructor in Pediatrics.
- MAY G. WILSON, M.D.,
Instructor in Pediatrics.
- WILLIAM A. WILSON, M.D.,
Instructor in Clinical Surgery, Department of Urology.
- DAN HITER WITT, M.D.,
Instructor in Medicine.
- ROBERT F. ZEISS, M.D.,
Instructor in Clinical Surgery, Department of Urology.

OFFICERS OF ADMINISTRATION.

- WALTER L. NILES, M.D., *Dean.*
- J. S. FERGUSON, M.D., *Secretary of the Faculty.*
- J. THORN WILLSON, *Managing Clerk.*
- JESSIE P. ANDRESEN, *the Dean's Secretary.*
- JOSEPHINE GENUNG NICHOLS, Ph.B., *Librarian.*
- WILLIAM DUNN, *Photographer.*
- HAROLD S. BELCHER, M.D., *College Physician.*
- EVELYN HOLT, M.D., *College Physician.*

COMMITTEES.

- Educational Policy.*—The President, the Dean, Chairman Ex-officio and Professors LEWIS A. CONNER, CHARLES L. GIBSON, EUGENE F. DUBOIS, JOHN A. HARTWELL, CHARLES R. STOCKARD, STANLEY R. BENEDICT, GRAHAM LUSK, JAMES EWING, WILLIAM J. ELSER, GEORGE GRAY WARD, OSCAR M. SCHLOSS and EDWARD L. KEYES.
- Library.*—Professors EUGENE F. DUBOIS, Chairman, JAMES EWING, CHARLES L. GIBSON, DR. PAUL REZNIKOFF and MR. CHARLES K. GOOD.
- Hospital Appointments.*—Professors JOHN A. HARTWELL, Chairman, LEWIS A. CONNER, CHARLES L. GIBSON, EUGENE F. DUBOIS, HAROLD E. SANTEE and WALTER L. NILES, Dean.
- Curriculum.*—Professors CHARLES V. MORRILL, Chairman, NELLIS B. FOSTER and J. S. FERGUSON, Secretary of the Faculty.
- Admissions.*—Professors DAYTON J. EDWARDS, Chairman, JOSHUA E. SWEET, PHILIP B. ARMSTRONG and J. S. FERGUSON, Secretary of the Faculty.

FACULTY OF MEDICINE

THE CLINIC.

Director

WALTER C. KLOTZ, M.D.

Department of Medicine.

Chief of Clinic

RUSSELL L. CECIL, M.D.

Physicians

WALTER H. BRUNDAGE, M.D.
CONNIE M. GUION, M.D.
HENRY B. RICHARDSON, M.D.
BERTON LATTIN, M.D.

NANCY JENISON, M.D.
DAN H. WITT, M.D.
EDMUND R. P. JANVRIN, M.D.
GEORGE B. EMORY, M.D.

Assistant Physicians

HAROLD STEWART BELCHER, M.D.
THEODORE J. CURPHEY, M.D.
LEILA COSTON CONNER, M.D.
NEIL C. STEPHENS, M.D.
HARRY S. BERKOFF, M.D.
EDWIN T. HAUSER, M.D.
HELEN GAVIN, M.D.
WINNIFRED KIRK, M.D.
MALCOLM K. SMITH, M.D.
JOSEPH YASWEN, M.D.
ENID CRUMP, M.D.
ADA C. REID, M.D.
ELIZABETH BRAKELEY, M.D.

BENJAMIN H. ARCHER, M.D.
J. RANDOLPH QUINN, M.D.
LOUIS A. HAUSER, M.D.
ANNA PLATT, M.D.
LEON I. LEVINE, M.D.
EVELYN HOLT, M.D.
EPHRAIM SHORR, M.D.
WHEELAN D. SUTLIFF, M.D.
EDWARD TOLSTOI, M.D.
HARRIET WHITE, M.D.
KIRBY MARTIN, M.D.
MAURICE KAGAN, M.D.
THERESA SCANLON, M.D.

~~HARRY B. TORREY, M.D.~~

Department of Medicine, Gastro-Enterology.

Physicians

~~HAYNES HAROLD FELLOWS, M.D.~~

(In charge)

SYDNEY WEINTRAUB, M.D.

Assistant Physicians

NANCY JENISON, M.D.
NATHANIEL B. STANTON, M.D.
MICHAEL LAKE, M.D.
JEANNETTE JENNISON, M.D.

DOUGLASS PALMER, M.D.
JULIAN FRESTON, M.D.
HERMAN PHILLIP, M.D.
JOHN H. WHALEY, M.D.

Department of Medicine (Diabetes).

Physician

HENRY JAMES SPENCER, M.D.

Assistant Physician

EVELYN HOLT, M.D.

Department of Medicine (Arthritis).

Physician

BENJAMIN H. ARCHER, M.D.

Assistant Physician

KRISTIAN G. HANSSON, M.D.

Department of Medicine (Asthma).

Physician

HORACE S. BALDWIN, M.D.

Assistant Physicians

HAROLD S. BELCHER, M.D.
HARRY S. BERKOFF, M.D.
WHEELAN DWIGHT SUTLIFF, M.D.
EVELYN HOLT, M.D.

Department of Medicine (Endocrine).

Physician

CONNIE M. GUION, M.D.

CORNELL UNIVERSITY MEDICAL COLLEGE

Department of Medicine (Tuberculosis).

Physician

EDMUND R. P. JANVRIN, M.D.

Department of Medicine (Cardiac).

Physician

BERTON LATTIN, M.D.

Assistant Physician

ARTHUR M. MASTER, M.D.

Department of Medicine (Overweight.)

Physician

HENRY JAMES SPENCER, M.D.

Assistant Physician

RALPH A. ECKHARDT, M.D.

Department of Surgery.

Chief of Clinic

RUSSEL H. PATTERSON, M.D.

Surgeon

JOHN E. SUTTON, JR., M.D.

Assistant Surgeons

LEWIS C. WAGNER, M.D.

RALPH C. KAHLE, M.D.

Department of Dentistry

Surgeon

LOUIS WACK, D.D.S.

Assistant Surgeon

MAX HALPERN, D.D.S.

Department of Pediatrics.

Chief of Clinic

PHILIP MOEN STIMSON, M.D.

Assistant Physicians

GEORGE C. LUDLOW, M.D.

HAROLD T. VOGEL, M.D.

HELEN HARRINGTON, M.D.

VIRGINIA T. WEEKS, M.D.

Department of Obstetrics and Gynecology.

Chief of Clinic

JOHN F. McGRATH, M.D.

Surgeon

LYNN L. FULKERSON, M.D.

Assistant Surgeons

S. SCHMERZLER, M.D.

LOUIS P. BIRO, M.D.

ELEANOR J. MURPHY, M.D.

JAMES H. HEYL, M.D.

THOMAS A. IOVINO, M.D.

ROBERT G. DUNOVANT, M.D.

MARJORIE HOPPER, M.D.



Cornell University Medical College

THIRD YEAR SCHEDULE

1927—1928

THIRD YEAR—SESSION OF 1927-1928—FIRST TERM

September 27th to December 17th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Pathology Laboratory	Hygiene Lab.	Medicine Lect. Prof. Conner	Hygiene Lab.	Pathology Laboratory	Hygiene Lab.	9
10			Medicine Rec.				10
11	Medical Clinic C. D.	Clinical Pathology				Obstetrics Rec.	11
12						Surgery Rec.	12
1							1
2	Hygiene Field Excursion	Ophthalmology Clinic Prof. Samuels	Military† Science Prof. Allen	Orthopedic† Lect. Prof. Wallace	Pharmacology Prof. Hatcher		2
3		Pharmacology Lect. Prof. Hatcher		Pharmacology Lect. and Lab.	Dermatology Clinic Prof. Schwartz		3
4		Obstetrics Lect. Prof. Bailey		Rec.	Psychiatry Clinic Prof. Kirby		4
5							5

†Elective

THIRD YEAR—SESSION OF 1927-1928—SECOND TERM

January 3rd to March 10th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Surgery Lect. Prof. Gibson	Surgery Sections * St. L.	Medicine Lect. Prof. Conner	Pediatrics Clinic, N. & C. Prof. Schloss	Hygiene Lect.	Urology Clinic B.H. Prof. Keyes	9
10	Pediatric Rec.	Pathological Anatomy B.H.*	Medicine Rec.		Gynecology Lect. Prof. Ward		10
11	Operative Surgery	Surgery Sections * Mem. H.	Hygiene Lect.	Psychiatry Clinic Prof. Kirby	Operative Surgery	Psychiatry Lect. Prof. Kirby	11
12			Military† Science Lect. Prof. Allen	Surgery Rec.		Surgery Rec.	12
1							1
2	S E C T I O N S (See Schedule III)						2
3							3
4	Roentgenology Lect. Prof. Imboden	Obstetrics Rec.	Dermatology Clinic Prof. Schwartz	Otology Lect. or Clinic Prof. Whiting	Neurology Clinic Prof. Kennedy		4
5							5

*Sections A to E take Surgery the first half term, Pathological Anatomy the second.

Sections F to J take Surgery the second half term, Pathological Anatomy the first. Sections change 9 A.M., Feb. 7, 1928.

†Elective.

THIRD YEAR—SESSION OF 1927-1928—THIRD TERM

March 12th to May 26th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Surgery Lect. Prof. Gibson	Psychiatry Clinic, W. I.	Hygiene Lect.	Pediatrics Clinic, N. C.	Surgery Clinic, N. Y.	Military† Science Lect. Prof. Allen	9
10	Pediatrics Rec.	Prof. Kirby	Medicine Rec.	Prof. Schloss	Prof. Gibson	Hygiene Lect.	10
11	Surgery Rec.		Medicine Clinic, C. D. Prof. Conner		Obstetrics Lect.	Psychiatry Lect. Prof. Kirbiv	11
12	Surgery Lect.				Therapeutics Prof. Goodridge	Surgery Rec.	12
1							1
2	S E C T I O N S (See Schedule III)						2
3							3
4	Roentgenology Lect. Prof. Imboden	Obstetrics Rec.		Laryngology Lect.	Neurology Lect. Prof. Kennedy		4
5							5

†Elective

Term III, Mar. 12—May 26									
	Mon.	Tues.	Wed.	Thurs.	Fri.				
Medicine, C.D., 2-4 P.M.	F	G	H	I	J				
Dermatology, C.D., 2-3 P.M.	G	H	I	J	F				
Laryngology, C.D., 3-4 P.M.	G	H	I	J	F				
Pediatrics N.C., 1:30-3:30 P.M.	H	I	J	F	G				
Obstetrics, (Mankin Sec.) 3-4 P.M.	I	E	F		H B				
Gynecology, C.D., 2-4 P.M.*	J ₁ J ₂	F ₁ F ₂	G ₁ G ₂	H ₁ H ₂	I ₁ I ₂				
Orthopedics, C.D., 2-4 P.M.*	J ₂ J ₁	F ₂ F ₁	G ₂ G ₁	H ₂ H ₁	I ₂ I ₁				
Orology, C.D., 2-3 P.M. (5 times only, beginning Jan. 23 and April 2.)	I	E	A	B	C				
Obstetrics, B.H. (or Mat.)† 2-4 P.M.	G	H	I	J	F				
Pediatrics, W.P. 1:35 to 3:45 P.M.†		G	I	F	H J				
Roentgenology 1:30-2:30 P.M.	I F ₁	J F ₂ H	F ₂ H						

*Each half section takes 5 weeks only. Sections change at 9 A.M., Feb. 6th and April 16, 1928.

†Two sections at one time on Mondays and Wednesdays.

‡First three exercises at the College, thereafter at W. P. Hospital.

Sections G, I, F, H and I report at the College Thursdays only Jan. 3 to 13d., thereafter at W. P. Hospital, G and I on Tuesdays, F, H and J on Thursdays, as scheduled.

Similarly, sections B, C, A, D and F report at the College Thursdays only, March 12 to April 23; thereafter at W. P. Hospital B and C on Tuesdays, A, D and E on Thursdays, as scheduled.

Abbreviations.—L., lectures; Lab., laboratory; Rec., recitations; Sec., section (the class being assigned to two or more divisions for certain exercises); B. H., Bellevue Hospital (Second Division); B. H. 4, Bellevue Hospital (Fourth Division); B. M. C., Berwind Maternity Clinic; C. D., College Dispensary; Man. Mat., Manhattan Maternity Hospital; Mem. H., Memorial Hospital; N. C., New York Nursery and Child's Hospital; N. Y., New York Hospital; O. P. D., Bellevue Hospital, Out Patient Department; R. & C., Hospital for the Ruptured and Crippled; St. L., St. Luke's Hospital; St. M., St. Mary's Hospital; W. I., Ward's Island, Manhattan State Hospital; W. P., Willard Parker Hospital.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

FACULTY OF MEDICINE

Department of Public Health and Preventive Medicine.

Physician

HARRY H. HAMILTON, M.D.

Assistant Physician

EMANUEL W. BILLARD, M.D.

ANNA PLATT, M.D.

HARRY S. BERKOFF, M.D.

MARY PUTNAM, M.D.

Department of Urology.

Chief of Clinic

WILLIAM A. WILSON, M.D.

Assistant Surgeons

MIGUEL ALVAREZ, M.D.

LISLE B. KINGERY, M.D.

LEO MARQUITH, M.D.

WENDELL J. WASHBURN, M.D.

LOUIS NEUWELT, M.D.

ROBERT F. ZELSS, M.D.

PAUL M. BUTTERFIELD, M.D.

THOMAS J. KIRWIN, M.D.

ROY B. HENLINE, M.D.

THOMAS P. BURRUS, M.D.

MICHELE IOVINE, M.D.

ALLISTER M. McCLELLAN, M.D.

VINCENT McAULIFFE, M.D.

Department of Neurology.

Chief of Clinic

THOMAS K. DAVIS, M.D.

Physicians

LEWIS D. STEVENSON, M.D.

WALTER M. KRAUS, M.D.

Assistant Physicians

THEODORE W. NEUMAN, M.D.

HAROLD R. MERWARTH, M.D.

RHODA MURIEL IVIMEY, M.D.

PATRICK H. CARROLL, M.D.

CHRISTIAN J. ROHWER, M.D.

JOHN M. MCKINNEY, M.D.

AARON BELL, M.D.

ALFRED H. EHRENCLOU, M.D.

THEOPHILUS P. ALLEN, M.D.

HAROLD G. WOLF, M.D.

Department of Psychiatry.

Chief of Clinic

JOSEPH P. EIDSON, M.D.

Attending Physicians

ABRAHAM KARDINER, M.D.

AUGUST E. WITZEL, M.D.

Z. RITA PARKER, M.D.

LELAND E. HINSIE, M.D.

THOMAS H. HAINES, M.D.

MICHAEL P. LONERGAN, M.D.

Psychologist

ELAINE KINDER, Ph.D.

Department of Dermatology.

Chief of Clinic

J. FRANK FRASER, M.D.

Physicians

RAY H. RULISON, M.D.

ARTHUR F. KRAETZER, M.D.

Assistant Physicians

ANDREW J. GILMOUR, M.D.

JOHN H. HARRIS, M.D.

GILBERT DALDORF, M.D.

FRANCIS JOHN OSBORNE, M.D.

JULIA V. LICHTENSTEIN, M.D.

FRANCES E. BARNHARDT, M.D.

CORNELL UNIVERSITY MEDICAL COLLEGE

Department of Otology.

Chief of Clinic

GEORGE B. McAULIFFE, M.D.

Surgeon

GERVAIS W. McAULIFFE, M.D.

EMMETT C. FITCH, M.D.

Assistant Surgeons

CARL FORNELL, M.D.

ANNE M. BELCHER, M.D.

EDWARD M. PULLEN, M.D.

Department of Laryngology and Rhinology.

Chief of Clinic

ARTHUR PALMER, M.D.

Surgeons

THOMAS A. MULCAHY, M.D.

WILLIAM J. JACKSON, M.D.

Assistant Surgeons

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EMMETT C. FITCH, M.D.

THOMAS J. GARRICK, M.D.

SAMUEL F. KELLY, M.D.

HERBERT GRAEBNER, M.D.

WILLIAM H. AYRES, M.D.

Department of Orthopedic Surgery.

Chief of Clinic

ARTHUR H. CILLEY, M.D.

Surgeon

JOHN S. WARE, M.D.

Assistant Surgeon

JOSEPH H. GASTON, M.D.

Department of Roentgenology.

Chief of Clinic

JOHN R. CARTY, M.D.

Surgeon

FRANCIS J. OSBORNE, M.D.

Department of Ophthalmology.

Chief of Clinic

SAMUEL P. OAST, M.D.

Surgeon

GEORGE W. VANDEGRIFT, M.D.

Assistant Surgeons

MILTON L. BERLINER, M.D.

MARC C. ANGELILLO, M.D.

SAMUEL SCHWARTZMAN, M.D.

Department of Drugs and Supplies.

Pharmacist

GUSTAVE T. RUCKERT, Ph.G.

Assistant Pharmacist

CHARLES LENZ, Ph.G.

GENERAL STATEMENT

GENERAL STATEMENT.

The Medical Department of Cornell University was made possible by the gift to the University of a commodious and fully equipped building designed for medical instruction, and by the bestowal of funds for the maintenance of a vigorous school of medicine.

The objects of this school are:

- (1) To develop physicians of the best type, and
- (2) To conduct researches into the nature and cure of disease.

The school offers educational and research facilities to all undergraduates and graduates in medicine who are properly qualified to benefit from these opportunities and who are in sympathy with these aims.

The Main College Building comprises a Medical School and Dispensary, with principal entrance on First Avenue, opposite Bellevue Hospital, and occupies the entire block between Twenty-seventh and Twenty-eighth Streets on First Avenue. The building is devoted to the Department of Anatomy, Clinical Pathology, Chemistry, Pathology, Bacteriology, Physiology, Medicine and their laboratory equipment.

The Loomis Laboratory (founded 1886 by the same munificent hand) serves the purpose of undergraduate instruction, in connection with the laboratories in the College building. It has also been reorganized as a research laboratory, and special departments have been established in bacteriology, physiological chemistry, experimental medicine and pharmacology.

The Cornell University Medical College Clinic, located in the main College building, is fully equipped for purposes of instruction.

The attendance in the Clinic averages about 475 patients daily and annually includes about 18,000 new patients. The organization is such as to bring the Clinic into closest touch with the Laboratory and research facilities of the College.

The Department of Roentgenology as well as the Laboratory of Clinical Pathology is in direct connection with the Clinic, and by co-operation and co-ordination of work their services are placed at the constant disposal of the various other departments of the Clinic for the diagnosis and investigation of disease and for purposes of instruction.

Medical Social Service is included as one of the functions of the auxiliary personal division of the Clinic. This service is of special assistance in discovering environmental factors in the cause and prevention of disease. It extends the scope of the medical staff in accordance with the present accepted postulates of adequate medical and hospital service.

The Library is supplied with current periodicals in German, French and English, which include nearly all of the more important journals in the field of medical science, and the back files of these periodicals are fairly complete. There is also a students' library of recent textbooks. Every effort is made to maintain a library commensurate with the needs of the College. A special reading room is provided for the convenience of students. A trained Librarian is in attendance to supply references and direct their work.

In addition to the College Library, students enjoy certain privileges at the Library of the New York Academy of Medicine, Fifth Avenue and 103d Street, the second largest medical library in the United States, and at the various public libraries of the city.

CORNELL UNIVERSITY MEDICAL COLLEGE

New York Hospital.—The Medical College, through the courtesy of the Governors of the New York Hospital, has long been accorded certain privileges for instruction in its wards. On the first of January, 1913, a definite arrangement was established between Cornell University and the New York Hospital, through the donation to the hospital of a generous fund by Mr. George F. Baker, a Governor of the Hospital, upon the condition that thereafter the pathological and half the entire medical and surgical services of the institution should be definitely assigned to the Cornell University Medical College for the advancement of its teaching and research.

By this arrangement the University nominates the Attending Staff of its division and the Laboratory Staff and secures the admission of its students to the wards as clinical clerks, thereby enabling the College to make a definite provision in its course of instruction and research for work in the New York Hospital. Furthermore, the Laboratory Staffs of the different departments of the Medical College are placed at the service of the Hospital for the purpose of extending its scientific work.

The hospital service thus assigned to the College comprises 100 beds. This service is exceedingly active. It includes several thousand acute and emergency cases brought in annually from a large ambulance and dispensary district.

The New York Hospital and Cornell University Medical College are being merged into one institution to be known as the New York Hospital-Cornell Medical College Association. The plans call for the immediate construction of a new group of buildings costing approximately \$11,000,000, overlooking the East River between Sixty-eighth and Seventieth Streets and from Avenue A to Exterior Street.

Additional endowments have been secured for the institution and it is proposed to create a medical educational unit of the highest type. It will be operated under the supervision of a joint administrative board composed of three Governors of New York Hospital; three Trustees or other representatives of Cornell University and one other member to be elected by the appointed members.

Dr. George Canby Robinson, at present Dean of the Medical School of the Vanderbilt University, will be the director of the new association, acting as executive officer of the Medical Faculty and co-ordinating the work of the medical school and the activities of the hospital. The Faculty and the staff will be organized on the University basis.

It is hoped that the construction of the new buildings will be begun in July, 1928, and that they may be completed in about two years from that date. Until that time the limited affiliation hitherto in force will be continued.

The Professors of Medicine and Surgery are directly responsible to the University for the conduct of the instruction in the New York Hospital.

Bellevue Hospital.—This hospital, located on First Avenue, directly opposite the Main College building, has 1,200 beds, and receives 24,000 patients annually.

The hospital is organized in four divisions, one of which has been placed by the Trustees of the hospital at the disposal of the Faculty of the Cornell University Medical College for medical instruction. The services thus intrusted to the College include, continuously, 90 medical beds, 90 surgical beds, 60 to Urology, a Neurological Service, and for one-half the year 54 obstetrical beds, together with equal privileges with the other three divisions,



GENERAL STATEMENT

giving continuous opportunity for instruction and research in the additional wards devoted to the treatment of alcoholic diseases, tuberculosis and the psychopathic diseases. There are also available 60 beds for instruction in Gynecology by members of the staff assigned to this duty by the Cornell University Medical College.

The visiting staff of the Second, or Cornell Division is drawn entirely from the Faculty and instructors of the College, and by co-operation with the Medical Board of the Hospital this division has been organized with a view to the best interests of the patients, as well as with a view to furnishing adequate facilities for instruction. The students spend a considerable portion of the fourth year in this hospital as clinical or surgical "clerks," and during the preceding years frequent clinical instruction is conducted in its wards, as fully described under "Details of the Plan of Instruction."

While Bellevue Hospital is provided with an elaborate Department of Pathology of its own, the scope of the hospital work of the Cornell Division is broadened by the intimate relation existing between the laboratories of the Medical College and the medical service of the hospital. In addition to the staff provided by the hospital, the College maintains a corps of research workers and special assistants who conduct their routine examinations in extension laboratories equipped by the College in rooms adjacent to the wards of the hospital, and who consummate their major investigations in the more completely equipped laboratories of the College building.

The Professors of Medicine and Surgery are directly responsible to the University for the conduct of the instruction in Bellevue Hospital.

Memorial Hospital.—Through the generosity of the late Dr. James Douglas, who provided the Hospital an endowment for the study and treatment of cancer and allied diseases, the Memorial Hospital became affiliated in 1914 with Cornell University Medical College.

The conditions upon which this union was consummated place upon Cornell University Medical College the responsibility for the medical and surgical activities of the hospital, subject however, so far as administrative action is concerned, to the approval of its Board of Managers. Cornell University Medical College is required to approve the five medical members of the Board of Managers of the Memorial Hospital and to nominate their successors in case of vacancies, and to name the medical and surgical staff, subject to the approval of the Board of Managers of the Hospital.

In accordance with these conditions, and with the approval of the Board of Managers of the Hospital, the Medical Staff has been organized as follows:

JAMES EWING, M.D., *President of the Medical Board, Director of Cancer Research, Pathologist.*

WILLIAM B. COLEY, M.D., *Vice-President of the Medical Board, Professor of Cancer Research, Attending Surgeon.*

WILLIAM S. STONE, M.D., *Clinical Director.*

STANLEY R. BENEDICT, Ph.D., *Director Department of Chemistry.*

BURTON J. LEE, M.D., *Attending Surgeon.*

BENJAMIN S. BARRINGER, M.D., *Attending Surgeon, Urological Department.*

DOUGLAS QUICK, M.D., *Attending Surgeon.*

WILLIAM P. HEALY, M.D., *Attending Gynecologist.*

RALPH E. HERENDEN, M.D., *Roentgenologist.*

LOYD F. CRAVER, M.D., *Attending Physician.*

CORNELL UNIVERSITY MEDICAL COLLEGE

FRANK E. ADAIR, M.D., *Associate Attending Surgeon.*
ARCHIE L. DEAN, JR., *Associate Attending Surgeon.*
NATHAN GREEN, M.D., *Associate Attending Surgeon.*
GEORGE E. BINKLEY, M.D., *Associate Attending Surgeon.*
DAVID H. M. GILLESPIE, M.D., *Assistant Surgeon.*
BRADLEY L. COLEY, M.D., *Assistant Surgeon.*
SAMUEL C. JOHNSON, M.D., *Assistant Surgeon.*
JAMES P. DUFFY, M.D., *Assistant Surgeon.*
HAYES E. MARTIN, M.D., *Assistant Surgeon.*
FRANK R. SMITH, M.D., *Assistant Gynecologist.*
BYRON STOOKEY, M.D., *Neurologist.*
GEORGE HALL HYSLOP, M.D., *Neurologist.*
H. KINGSLEY BLAKE, M.D., *Assistant Roentgenologist.*
THEODORE H. ALLEN, M.D., *Clinical Assistant.*
NORMAN E. TREVES, M.D., *Clinical Assistant.*
JOHN T. TOOLE, M.D., *Clinical Assistant.*
HARRY LANDESMAN, M.D., *Anaesthetist.*
ALFRED E. PHELPS, M.D., *Anaesthetist.*
FRANK L. ENGEL, D.D.S., *Dentist.*
GIOACCHINO FAILLA, E.E., D.Sc., *Physicist.*
EDITH H. QUIMBY, M.A., *Assistant Physicist.*
MAX CUTLER, M.D., *Clinical Fellow.*
JOHN T. PACK, M.D., *Clinical Fellow.*
GEORGE F. SPIES, M.D., *Clinical Fellow.*
HELEN O. WOODWARD, PH.D., *Chemist.*
KANEMATSU SEGUIRA, A.M., Sc.D., *Chemist.*
HELEN R. DOWNS, PH.D., *Chemist.*
ELISE S. L'ESPERANCE, M.D., *Serologist.*
JOHN C. TORREY, M.D., *Bacteriologist.*
HALSEY J. BAGG, PH.D., *Biologist.*
WARE CATTELL, A.B., *Assistant in Physics.*
WOLFGANG PAULI, PH.D., *Assistant Biophysicist.*
CLARENCE R. HALTER, B.S., A.M., *Assistant in Biology.*

The John E. Berwind Maternity Clinic.—An affiliation having been consummated between the John E. Berwind Maternity Clinic and Cornell University Medical College, the medical direction of the Clinic is placed under the control of Cornell. The medical staff including the resident and house staffs are appointed by the Clinic, only on nomination by the Medical College.

Cornell students are definitely assigned to the Clinic for practical instruction under the direction of the Professor of Obstetrics and Gynecology.

Cornell students having been provided for, vacancies in the student staff will be filled by appointment. Application for such assignments should be made to the Superintendent of the Clinic at 125 East 103rd Street, New York City.

The Russell Sage Institute of Pathology.—The Russell Sage Institute of Pathology has been affiliated with the Second Medical (Cornell) Division of Bellevue Hospital since 1913. Endowed by Mrs. Russell Sage in 1907, it has provided funds for research work in pathology and medicine. Laboratory space has been generously given by the trustees of Bellevue Hospital and clinical facilities have been furnished by the Cornell Medical Division. The Institute has constructed and equipped a respiration calorimeter and has maintained a

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metabolism ward adjacent to the general wards of the division. The research workers have been members of the hospital staff and have assisted in the care of patients and the instruction of students. The metabolism ward, chemical laboratories and calorimeter furnish unusual facilities for teaching the diseases of metabolism.

The staff is as follows:

GRAHAM LUSK, Ph.D., *Scientific Director.*

EUGENE F. DU BOIS, M.D., *Medical Director.*

HENRY B. RICHARDSON, M.D., *Research Fellow.*

WALTER S. MCCLELLAN, M.D., *Research Fellow.*

EPHRAIM SHORR, M.D., *Research Fellow.*

ROBERT O. LOEBEL, M.D., *Research Fellow.*

G. F. SODERSTROM, *Calorimeter Technician.*

MARJORIE LE MOINE, R.N., *Head Nurse.*

The New York Nursery and Child's Hospital.—By courtesy of the Trustees of this Hospital, Cornell Students are there instructed in Pediatrics. The Hospital offers splendid opportunities for the study of infants and children.

There are seventy two beds on the Pediatric service, and in addition there is in the same building an active maternity service.

The out patient department has an average yearly attendance of 8,000 infants and children, with special classes in Feeding; Malnutrition; Syphilis; Eczema and Cardiac diseases. Both the indoor and outdoor services are utilized for teaching purposes. The members of the teaching staff have official connection with the hospital.

The Neurological Institute.—By courtesy of the Neurological Institute section work in Nervous Diseases is offered to third and fourth year students in the wards and Out-Patient Department of this hospital, the students being assigned for ward work in small sections during the fourth year. The Neurological Institute is a hospital of considerable size, devoted to the care of nervous diseases and possessing a complete equipment for neurological examinations, diagnosis and treatment.

Psychiatric Institute, Ward's Island.—The Professor of Psychiatry is Director of the Psychiatric Institute, which is the teaching and research center for the entire New York State Hospital system. The lecture rooms, pathological material and clinical facilities of the Institute are available for the teaching of medical students.

Manhattan State Hospital, Ward's Island.—This hospital for the care and treatment of mental diseases, accommodates over 5,000 patients. Through the courtesy of the Superintendent the Professor of Psychiatry is enabled to utilize this clinical material for bedside study of patients and practical exercises and demonstrations conducted in the wards of the hospitals.

Other Hospitals.—In addition to the above, members of the Faculty of Cornell University Medical College hold appointments in various hospitals and dispensaries of the city, and are thus enabled to utilize for teaching purposes a great quantity and variety of clinical material. This is used from time to time as necessity or opportunity arises. The major part of the bedside and clinical instruction is, however, purposely conducted in Bellevue Hospital, which is directly opposite the College, and in New York Hospital, which is conveniently located on Fifteenth Street, and may be reached in fifteen to twenty minutes.

CORNELL UNIVERSITY MEDICAL COLLEGE

REQUIREMENTS FOR ADMISSION.

The Faculty of the Cornell University Medical College are of the opinion that candidates for admission to the medical profession should possess the liberal culture and general education implied by a college degree in Arts or Science. Since 1907 a standard of admission which requires the baccalaureate degree or its equivalent has been rigidly maintained. Without attempting to enter into a discussion of the relative advantages of the courses in Science or Arts, the President and Trustees of Cornell University adopted the requirements advised by the Faculty of the Medical College for admission to the course leading to the degree of M.D. and *only the following classes of candidates are admitted to the Cornell University Medical College.*

I. Graduates of approved colleges or scientific schools; or—

II. Seniors in good standing in approved colleges or scientific schools upon condition that their faculty will permit them to substitute the first year in the Cornell University Medical College for the fourth year of their college course, and will confer upon them the bachelor's degree* upon the satisfactory completion of the year's work; or—

III. Persons who give evidence by examinations that they have acquired an equivalent education to that signified by a bachelor's degree, and training sufficient to enable them to profit by the instruction offered in the Medical College.

All Candidates for Admission, whether of group I, II, or III, shall have satisfactorily completed in an approved college, at least the following minimum in—

1. Physics, 8 semester hours, including laboratory.

2. Chemistry, 12 semester hours (8 hours of inorganic, including qualitative analysis and 4 hours of organic chemistry). The course should have included at least fifty hours of didactic work; not less than eighty hours of laboratory work in inorganic chemistry; and at least 70 hours of laboratory work in *qualitative analysis*. In addition, the candidate shall have satisfactorily completed courses in at least 36 hours of didactic and 80 hours of laboratory work in *organic chemistry*. Quantitative Analysis is recommended but not required. It is advised that students acquire all the knowledge of chemistry possible in their preparatory years.

3. Biology (Zoology), 6 semester hours, including laboratory work.

Note.—In addition to this minimum requirement, a course in General Histology with Embryology including the early development of the frog and chick is very desirable. Courses in the Comparative Anatomy of Vertebrates and Elementary Histological Technique are also recommended.

4. English, 6 semester hours.

5. Modern language, 6 semester hours—French, German, Italian or Spanish.

*No student under the clause is permitted to enter the second year of the medical curriculum without the bachelor's degree obtained after at least three years of undergraduate college work. Clause II is intended to provide for those students who by specially directed or by specially proficient work accomplish the essential requirements for a B.S. or B.A. degree during three years of College residence.

REQUIREMENTS FOR ADMISSION

6. Two additional semester hours of college credit will be required in each of the three subjects, Biology, English and Modern language, in which no introductory high school course was offered for admission to college.

7. All applicants residing within 50 miles of New York City are required to present themselves *in person by appointment* at the office of the Secretary; their credentials should have been previously submitted. All applicants must submit with their application a recent photograph.

IV. All students entering Cornell University Medical College are required to provide themselves with a satisfactory microscope.

V. Not more than seventy-five students will be admitted to the first year in Medicine; approved applicants for advanced standing will be admitted to subsequent years only when the number registered falls below sixty. Not more than sixty students will be registered in each of the second, third and fourth year classes.

VI. The number of students in this Medical College having been limited that its advantages may be equalized to all parts of the state and country, not more than five students from any one college will be admitted to the first year class.

The Trustees felt that it was unfair to refuse the exceptional student of unusual abilities who has obtained independently an education equivalent to that implied by a degree from a college or scientific school, and there will therefore be examiners appointed from the faculties in the different colleges of Cornell University to determine the qualifications of such as may apply for admission under Rule III of these requirements. The committee in charge of the administration of this rule consists of the President of the University and the Deans of the Faculties of Arts and Sciences and of Medicine. The only instance of admission under Rule III yet encountered involved a graduate of a foreign institution of collegiate rank which grants no degrees.

APPLICATIONS FOR ADMISSION

All applications and communications are to be addressed to the Secretary of the Medical College from whom blank forms of application for admission may be obtained.

Prospective students will find it to their advantage to file their application early. The number of admissions being limited, to insure favorable consideration, *applications for admission to the first year should be received not later than March 1st*, and should in all cases be accompanied by a transcript of the college record to date. The required letters of recommendation from two science professors under whom the student has recently worked should be forwarded at the same time. A photograph must accompany the application.

Inasmuch as all students of medicine in New York State are required by law to have previously had an adequate preliminary education, and as this preliminary education must be certified as sufficient by the State Educational Department, it is advisable that applicants for admission send their credentials to the Secretary of the Medical College in properly attested form as promptly as possible, that the secretary may then obtain the requisite "medical student's certificate" from the State authorities.

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ADMISSION TO ADVANCED STANDING

Applicants for advanced standing must have met in full the requirements for admission (page 28), and must have already attended the legally required number of sessions in an approved regular medical college. Whenever vacancies arise* applicants thus qualified may be admitted to the Cornell University Medical College under the following conditions:

1. A properly attested certificate of actual attendance at a registered Medical College for the full number of years of medical study for which time credit is asked must be presented and approved.

2. A certificate showing that the student has satisfactorily completed in an approved medical college the work of all required subjects of the years for which Cornell credit is asked must be presented and approved.

3. Subject credit may be granted on presentation and approval by the heads of departments of properly attested certificates stating the courses already completed in an approved medical college with the number of hours, didactic and laboratory, devoted thereto, together with the name of the instructor.

4. In the absence of approval of the certificate called for in the preceding paragraph (number 3) subject credit for advanced standing will be granted only by examination in all of the subjects previously pursued by the class to which admission is desired. For a list of the subjects for examination see page 85.

Examinations for admission to advanced standing are conducted by heads of departments and may be taken with the class at the end of the session in June or prior to the opening of the session in September. For dates of examinations, see calendar, page 5.

ADMISSION TO COURSES FOR GRADUATES

Graduates in medicine, or students who desire to pursue a special course without graduation, are admitted to registration as special students, after approval by the head of the department conducting the course. Such special courses do not count in any way as part of the four years' course required of candidates for the degree of doctor in medicine. The courses offered to graduates are outlined on pages 90 to 93. Further information regarding such courses, fees, etc., may be obtained by addressing the Secretary of the Cornell University Medical College, 477 First Avenue, New York City.

REQUIREMENTS FOR LICENSE TO PRACTICE MEDICINE IN THE STATE OF NEW YORK

Graduates of Cornell University are admitted unconditionally to the examinations for license to practice medicine in the State of New York as well as all other states. Further information as to the nature of the requirements of the

*The three upper classes are limited to sixty students each. See Rule V, page 29.

REQUIREMENTS FOR ADMISSION

New York State law regulating the practice of medicine may be obtained by consulting the handbook issued for gratuitous distribution by the Professional Examinations Bureau, New York State Education Department at Albany, N. Y.

All requirements for admission to examinations for license should be filed with the State Education Department at least one week before examination.

Examinations for license to practice medicine in this State will be held as follows:

1928	1929	1930
Jan. 23-26	Jan. 28-31	Jan. 27-30
June 25-28	June 24-27	June 23-26
Sept. 17-20	Sept. 23-26	Sept. 15-18

Places

New York, Albany, Syracuse, Buffalo.

NATIONAL BOARD OF MEDICAL EXAMINERS

Students and graduates of the Cornell University Medical College are admitted to the examinations of this Board, whose certificate is accepted by the Surgeons-General of the Army and Public Health Service of the United States and by the boards of medical licensure of thirty-seven states, Porto Rico, Hawaii and the Canal Zone. This Certificate is also recognized by the respective authorities of England, Scotland and Spain. The dates and places of the examination will be announced as promulgated by the Board. In 1928 examinations will be held February 15-17, June 13-15 and September 12-14.

CHARGES FOR INSTRUCTION

First Year

Matriculation	\$10.00
Tuition	500.00
	———\$510.00*

Second Year

Tuition	500.00
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Third Year

Tuition	500.00
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Fourth Year

Tuition	500.00
Final Examination Fee	25.00
Practical Obstetrics†	10.00
	———\$535.00

*An advance payment of \$100.00 on account of tuition is required on acceptance of an application for admission, and is not returnable.

The matriculation fee is payable only once, on entrance.

The final examination fee is payable on registering for graduation. All other fees are payable at the beginning of the term, but in special cases the tuition fee may be paid semi-annually in advance. Owing to the limitation in size of the classes, no refund nor rebate will be made in any case.

†A fee of \$10.00 is required in the fourth year, to be paid to The John E. Berwind Free Maternity Clinic for the course in Practical Obstetrics.

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Each student is required to pay the clerk of the College the following amounts to cover breakage in the Laboratories and Dispensary departments:

1st year, Laboratory and Clinic	\$10.00
2d year, Laboratory and Clinic	10.00
3d year, Laboratory and Clinic	10.00
4th year, Laboratory and Hospital	10.00

These deposits, less the amount charged for breakage, will be returned at the end of each year.

All fees for instruction are paid to the Treasurer's Office of the Medical College.

Tickets must be taken out and paid for at the beginning of the session.

For Fees of Special Students see pages 91 to 93.

For Fees to Graduate Students see page 94.

LOCATION AND MODE OF ACCESS

The main building of Cornell University Medical College is located on First Avenue between 27th and 28th Streets.

The crosstown cars on Twenty-third and Thirty-fourth Streets, at First Avenue, pass within five blocks of the College buildings. Convenient stations of the subway lines are located at Twenty-eighth Street and Fourth Avenue, at Twenty-eighth Street and Broadway, and Twenty-eighth Street and Seventh Avenue. The nearest stations of the Interborough Elevated Railway are at Twenty-eighth Street on the Third and Sixth Avenues lines and at Twenty-third Street on the Second Avenue line. The Hudson Tubes station is at Twenty-eighth Street and Sixth Avenue.

GENERAL STATEMENT OF THE PLAN OF INSTRUCTION.

The function of a Medical Department in a University is primarily to produce practitioners of medicine of the highest possible efficiency. The school must include among its students not only those whose life is to be spent in the treatment of disease, but those who intend to become teachers of medicine or of the branches of natural science upon which medicine depends, as well as those who devote their energies to advancing these sciences by research and to work connected with the public service. The Medical Department of the University has therefore developed into a school whose students are to be prepared to become practitioners of medicine and surgery, teachers of these subjects and their subsidiary branches, and investigators of biological problems which pertain to human disease and "preventive medicine." To reach this ideal, and to relieve the Medical Department from instruction in subjects which belong to natural science in general and not strictly to the medical curriculum, it is necessary that the students should have received the best possible preliminary education which must include the mental training implied by the *baccalaureate degree*.

In arranging the course of study the subjects pertaining to pure, rather than applied, science are grouped in the first year of the medical course, those of the applied science in the early part of the second year, and the so-called clinical subjects in the second, third and fourth years.

The fourth year of the medical curriculum is devoted largely to clinical instruction in the various aspects of medicine and surgery, with bedside instruction and ample opportunity for the careful study of cases by continuous service in the hospital wards. Some opportunity for elective courses is allowed, but all students must take at least the minimum amount of the subjects which form the basis of the general practitioner's usefulness, and all are thus necessarily prepared for successfully undergoing the usual competition for appointments as hospital internes, positions in the public service of the State and Nation, and examinations for licensures by the States.

Any student of exceptional fitness, however, after having completed the first three years' work and who then desires to devote the major part of his time to one or more of the laboratory departments may do so during the fourth year. Such an arrangement can be made only with the approval of the Dean and the heads of the departments concerned. The departments in which the student is engaged shall then determine whether his work has given such satisfaction as would warrant the degree at the end of the year.

Custom and experience are in favor of a long summer vacation, and the utilization of the cool months alone for teaching. The Faculty have therefore decided on a period of thirty-two actual working weeks exclusive of the time occupied by holidays and examinations. This working period is

CORNELL UNIVERSITY MEDICAL COLLEGE

divided into three terms the first of twelve, the second of ten, and the third of eleven weeks. By this arrangement it is possible to obtain a certain degree of "concentration" in the teaching of those subjects in which that plan is advantageous, and it is thus also possible to maintain a proper sequence in the curriculum.

The extensive opportunity for continuous ward work afforded by the curriculum of the third and fourth years in no wise replaces the valuable work afforded by hospital interneship, but is in a way preparatory thereto. Every graduate of this medical school is expected to pursue the usual interne service in some hospital, our graduates having little or no difficulty in obtaining the best positions under competitive examinations in addition to those appointments directly and indirectly controlled by this College. Without prolonged hospital training no physician should attempt to practice nor to teach; and no specialist can be worthy of the name who has not had the broad foundation insured by such a service.

For details of the course see Departmental Announcements, which follow, and the scheduled curriculum, pages 75 to 84.

DETAILS OF THE PLAN OF INSTRUCTION

DETAILS OF THE PLAN OF INSTRUCTION.

THE DEPARTMENT OF ANATOMY.

CHARLES R. STOCKARD, M.S., Ph.D., M.D., Sc.D., *Professor of Anatomy.*

CHARLES V. MORRILL, A.M., Ph.D., *Associate Professor of Anatomy.*

ROBERT CHAMBERS, JR., A.M., Ph.D., *Professor of Microscopic Anatomy.*

GEORGE PAPANICOLAOU, Ph.D., M.D., *Assistant Professor of Anatomy.*

JOSE F. NONIDEZ, Sc.D., *Associate in Anatomy.*

PAUL REZNIKOFF, B.S., M.D., *Associate in Anatomy.*

LOUIS HAUSMAN, A.B., M.D., *Associate in Neuro-Anatomy.*

WILLIAM L. SNEED, M.D., *Instructor in Applied Anatomy.*

PHILIP B. ARMSTRONG, B.S., M.D., *Instructor in Anatomy.*

C. MALCOLM GILMAN, A.B., M.D., *Instructor in Anatomy.*

EMILIA M. VICARI, A.M., *Research Assistant in Anatomy.*

FRANCIS M. CONWAY, A.B., M.D., *Assistant in Anatomy.*

PAUL LANGE PHILLIPS, A.B., *Assistant in Anatomy.*

I. Morphology.

Structure of Man.—This course considers the structure of the various organs and systems of the human body in the light of their variations and evolutions. The relationship of the parts of the organs and systems are also explained by numerous facts gathered from experimental morphological studies on lower vertebrates.

The chief aim is to instill into the student the idea that animal structures are constantly changing and varying, yet are so definite as to lend themselves to logical analysis.

Laboratory, 40 hours (elective), and demonstration conferences, 22 hours (optional).

Text-books.—Wiedersheim's *Comparative Anatomy* and *Bau des Menschen*, Wilder's *History of Man*, together with special works and monographs on the subject.

Professor Stockard.

II. Embryology and Histology.

The work in *embryology* presupposes a general knowledge of the subject, particularly that of the early development of the chick. It embraces a thorough study of the development of the mammalian embryo in the light of our knowledge of the evolution of the human body. Malformations resulting from developmental disturbances are broadly considered. A feature of the course is the close correlation with the course in *gross anatomy*.

The work in *histology* includes the histogenesis and microscopic structure of all of the organs of the human body with the exception of the central nervous system (see *neuro-anatomy*). Emphasis is laid on the relation of structure to function.

The tissues are studied principally by means of stained sections and tests are given for a rapid identification of their diagnostic features. Demonstrations of living material are made and opportunities are offered for acquiring the essentials of histological technique.

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A part of the course is devoted to seminars on current literature.

Laboratory course and lectures—258 hours, October to March. Required of all first year students.

Text-books.—Patten, *Embryology of the Pig*; Lewis, *Text-book of Histology*; Keith, *Human Embryology and Morphology*; Schäfer, *Microscopic Anatomy*; scientific journals.

Professor Chambers, Dr. Nonidez and assistants.

III. Neuro-Anatomy.

A laboratory course on the gross and microscopic anatomy of the human central nervous system. Especial emphasis is laid on the more important pathways and their functions.

Laboratory and demonstrations, 88 hours. Required of all first year students during the third term.

Text-books.—Ransom, *Anatomy of the Nervous System*; Villiger's *Brain and Spinal Cord*; Herrick's *Introduction to Neurology* and any of the text-books of anatomy used in Course IV.

Associate Professor Morrill and Drs. Nonidez and Hausman.

IV. Gross Anatomy of the Human Body.

This is taught by means of laboratory exercises and dissections held in the dissecting room at stated hours.

The following are the courses required:

COURSE I. THE UPPER EXTREMITY.

COURSE II. THE HEAD AND NECK.

COURSE III. THE LOWER EXTREMITY.

COURSE IV. THE THORAX.

COURSE V. THE ABDOMEN AND PELVIS.

The required work in each of the above courses includes:

(a) Dissection of the part.

(b) Demonstrations, study, and discussion upon dissected and prepared specimens, and from standard text-books.

(c) An oral examination at the completion of each course.

Total laboratory hours, 350 (minimum.) First and second terms of the first year.

COURSE VI. A DEMONSTRATION COURSE. Optional for the first-year students. Demonstrations upon the cadaver, models and dissected preparations amplifying the courses in dissection during the first and second terms of the first year.

COURSE VII. STUDY ROOM COURSE IN LIVE ANATOMY.

Since the ultimate aim of dissection is to acquaint the student not merely with the arrangement of structures in the cadaver, but with the facts of the living body, this course follows as a natural sequence to the work of the dissecting room. Optional to first-year students.

COURSE VIII. DISSECTION REVIEW.

The work covers a repetition of Courses I-V, giving an opportunity for advanced dissection. Optional to students of the second, third or fourth year. Afternoons.

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COURSE IX. TOPOGRAPHICAL ANATOMY.—A study of the relations and topography of the parts of the body by means of frozen sections. Cleared preparations and living models are also used. Members of the class must submit a number of drawings made from the sections.

Laboratory, 36 hours. Required during the first term of second year.

Text-books.—Cunningham's *Manual of Practical Anatomy*, two vols.; Cunningham's *Text-book of Anatomy*; Spalteholz's *Atlas of Human Anatomy*; Morris' *Human Anatomy*; Gray's *Anatomy*; Piersol's *Human Anatomy*.

Professors Stockard, Morrill and assistants.

V. Applied Anatomy.

This course is given during the second term of the third year. It is conducted as a laboratory exercise and aims to demonstrate the important facts or regional and topographical anatomy as applied to the practice of medicine and surgery.

Laboratory, 60 hours (optional).

Text-books.—Woolsey's *Applied Surgical Anatomy*; Davis' *Applied Anatomy*.

Dr. Sneed and assistants.

VI. Elective Courses Preparatory to the Specialties.

Optional for students of the third and fourth years. These courses offer a thorough review of the embryology, histology and gross anatomy of the following organs and systems:

- (a) The eye.
- (b) The ear.
- (c) The face and neck, including especially the nose and accessory sinuses, the mouth and salivary glands, pharynx and larynx, thyroid and parathyroid glands.
- (d) The genito-urinary system, male and female.
- (e) The brain and spinal cord.
- (f) The thorax and abdomen.
- (g) The extremities, especially the joints and their mechanics.

Laboratory, 40 hours. Professor Stockard and instructors.

VII. Elective Courses for Advanced Students.

COURSE I. GENERAL HISTOLOGY.—This course will comprise a study of the various types of tissues which form the several organs of the vertebrate body. The structures will be studied not only from the mere morphological standpoint, but the various biological problems involved will be taken into consideration. The close relationship between structure and function will be elucidated.

Twenty lectures, March to June.

Registration not later than January. Professor Chambers.

COURSE II. THE ANATOMY OF THE INFANT.—A course of lectures amplified by demonstrations and the study of preparations.

Twenty lectures arranged for in advance. Professor Stockard.

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COURSE III. DEVELOPMENT ARRESTS AND STRUCTURAL DEFICIENCIES.—A discussion of the imperfections in development which may occur during various periods from the maturation of the germ cells, fertilization of the egg on through embryonic and fetal development.

Fifteen lectures. Professor Stockard.

COURSE IV. EXPERIMENTAL EMBRYOLOGY.—These lectures begin with the history of the subject and the various aspects of the problems concerned. The experimental analysis of embryological processes is then considered from the several points of view.

Twenty lectures with conferences considering the recent literature of the subject. March to June. Professor Stockard.

COURSE V. REGIONAL ANATOMY.—This course will comprise a thorough review by means of dissections, demonstrations and reading of the gross anatomy, histology and development of selected regions of the body and of organs and organ systems.

Laboratory and demonstration, 3 half days a week for one month, April or May.

Associate Professor Morrill and assistants.

COURSE VI. APPLIED ANATOMY.—With special emphasis on fractures, dislocations, and injuries to the spine and extremities. The course will include eight conferences on Tuesdays and Thursdays from three until five P. M. beginning the first Tuesday in April.

Dr. Sneed.

COURSE VII. FOURTH-YEAR ELECTIVES.—The Department of Anatomy will arrange a schedule of work to fit individual cases for a limited number of *fourth-year students* desiring to devote the major part or all of their elective time. Such work will be designed, in cases where sufficient time is available, to equip the student to become a laboratory assistant.

VIII. Anatomical Research,

To students desiring to pursue research in anatomical subjects the equipment of the entire department is available. Members of the staff will gladly assign subjects and direct the progress of advanced work of this type. The work may be elected by students who enter with advanced credits, or by any student who has completed the preliminary courses in descriptive anatomy, histology and embryology. The course is also open to graduates in medicine or biology.

SUMMARY.

	<i>First Year.</i>	<i>Second Year.</i>
Morphology* .....	.....	.....
Embryology and Histology..	258 hours	.....
Gross Anatomy	350 hours	.....
Topographical Anatomy	36 hours
Neuro-Anatomy	88 hours
Applied Anatomy*

*Optional.



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PHYSIOLOGY.

GRAHAM LUSK, Ph.D., *Professor of Physiology.*

DAYTON J. EDWARDS, Ph.D., *Associate Professor of Physiology.*

HARRY J. DEUEL, JR., Ph.D., *Assistant Professor of Physiology.*

MCKEEN CATTELL, M.D., *Assistant Professor of Physiology.*

ADOLPH T. MILHORAT, A.B., *Assistant in Physiology.*

First Year.—Lectures, laboratory, recitations and a weekly seminar. Physiology of the muscle and nerve, the central nervous system, the special senses, digestion and internal secretions.

Second Year.—Lectures, laboratory, recitations and seminar. Physiology of the blood, circulation, respiration and metabolism.

SUMMARY.

	<i>First Year.</i>	<i>Second Year.</i>
Lectures	44 hours	45 hours
Recitations	22 hours	18 hours
Seminar .....	.....	9 hours
Laboratory	99 hours	81 hours

Text-books.—Starling's, Howell's or Macleod's *Physiology*; Lusk, *Science of Nutrition*; Wiggers, *Circulation in Health and Disease*; Collateral Reading, Scientific Journals.

CHEMISTRY.

STANLEY R. BENEDICT, Ph.D., *Professor of Chemistry.*

HUGH E. MORROW, A.B., *Instructor in Chemistry.*

EMIL OSTERBERG, *Instructor in Chemistry.*

NATHAN F. BLAU, Ph.D., *Associate in Chemistry.*

ELEANOR B. NEWTON, A.B., *Assistant in Chemistry.*

The instruction in chemistry is concentrated in the first year, and is arranged upon the assumption that the student is already thoroughly grounded in the principles of chemistry and in physics. The object aimed at is to impart that fundamental knowledge of organic and physiological chemistry which is necessary to the comprehension of the bearings of chemistry upon physiology, pharmacology and medicine.

Lectures.—There will be three conferences a week during the first term upon physical chemistry. The elements of the subject will be presented with special emphasis upon the properties and reactions of colloids, and the theory of indicators. Roentgen and radium rays are also discussed.

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During the second term two lectures a week will be devoted to organic and physiological chemistry. The lectures will discuss groups of compounds of especial biological importance, emphasizing especially the carbohydrates, purines, amino acids and the fats.

In the third term two lectures weekly will be devoted to Physiological Chemistry.

Recitations and Conferences.—There will be one recitation weekly during the third term. These recitations are largely in the nature of conferences.

Laboratory Work.—During the first term there will be one session weekly of two and one-half hours in physical chemistry. The experiments are designed to familiarize the student with the fundamental properties of electrolytes and colloids, and to study the phenomena of osmosis and dialysis. Methods of hydrogen ion determination are also studied.

In the second term there will be two sessions weekly of two and one-half hours in organic and physiological chemistry. This work will be directed mainly to the preparation and examination of organic compounds of biological importance, and will furnish practice on those points in which laboratory manipulations are desirable.

During the third term there will be two three-hour laboratory sessions in physiological chemistry. This course will include the study of the reactions of the carbohydrates, fats and proteins; of the composition of the salivary, gastric, pancreatic and intestinal secretions and the bile, and their actions in digestion; of the fæces, urine, blood and milk; and of the examination of pathological fluids, concretions, etc. The arrangement of this course is in coaptation with those in physiology and in clinical pathology.

In the laboratory courses each student is supplied with all apparatus and chemicals required.

Chemical Pathology.—Elective in the fourth year. A practical course in the chemical analysis of the blood. The laboratory work is supplemented by informal lectures and discussions. Hours to be arranged.

Research.—The laboratory will be open during "optional hours" to students of any year who desire to prosecute advanced work or research, subject to the regulations of the office.

SUMMARY.

First Year.

Recitations	23 hours
Laboratory	150 hours
Lectures	66 hours

Text-books.—Hawk, *Practical Physiological Chemistry*, eighth edition; Sumner, *Textbook of Biological Chemistry*. For Collateral Reading:—Mathews, *Physiological Chemistry*; Moore, *Applied Biochemistry*; Wells, *Chemical Pathology*; McCollum, *Organic Chemistry*, for students of Medicine and Biology.

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PHARMACOLOGY.

ROBERT ANTHONY HATCHER, Ph.G., M.D., *Professor of Pharmacology.*

HARRY GOLD, M.D., *Instructor in Pharmacology.* *

BERNARD S. FRENCH, M.D., *Assistant in Pharmacology.*

Work in this department is offered during the second and third years.

Pharmacology.

I. Laboratory.—Sixty-six hours will be devoted to the study of the actions of drugs in the third trimester of the second year.

The experiments are designed to illustrate a wide range of pharmacologic actions, the more important drugs being considered with reference to their actions on different structures. Professor Hatcher and Dr. Gold.

II. Lectures.—Thirty-four hours will be devoted to lectures, conferences and written reviews on Systematic Pharmacology in the first trimester of the third year. Professor Hatcher and Dr. Gold.

Materia Medica and Pharmacy.

III. Elementary Pharmacy and Toxicology.—Ten hours will be devoted to the consideration of crude drugs, and making pharmacopœial preparations of the different pharmaceutical classes (such as extracts, pills, etc.,) by the students. Each laboratory exercise will be preceded by an informal discussion of the work to be done and its relation to therapeutics. Dr. French.

IV. Research. Elective.—Students will be encouraged to conduct original research under the supervision of the members of the staff. Such work affords a valuable insight into pharmacologic methods, and assists in the formation of a correct estimate of the original work of others.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>
Lectures and Conferences .....	.....	34 hours
Laboratory	66 hours	10 hours

Text-books.—Sollmann, *A Text-book of Pharmacology; A Laboratory Guide in Pharmacology.*

DEPARTMENT OF PATHOLOGY.

General Pathology, Pathological Anatomy, Experimental Pathology.

JAMES EWING, M.D., *Professor of Pathology.*

OTTO H. SCHULTZE, M.D., *Professor of Medical Jurisprudence.*

ELISE S. L'ESPERANCE, M.D., *Assistant Professor of Pathology.*

DOUGLAS SYMMERS, M.D., *Assistant Professor of Pathological Anatomy.*

JAMES DENTON, M.D., *Assistant Professor of Pathology.*

CHARLES S. B. CASSASSA, M.D., *Instructor in Pathological Anatomy.*

LEWIS D. STEVENSON, M.D., *Instructor in Neuro-Pathology.*

J. FRANK FRASER, M.D., *Instructor in Dermopathology.*

ARTHUR H. DODGE, M.D., *Instructor in Pathological Anatomy.*

CHARLES T. OLCOTT, A.B., M.D., *Instructor in Pathology.*

MAX CUTLER, M.D., *Assistant in Pathology.*

GILBERT DALLDORF, B.S., M.D., *Assistant in Pathology.*

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GENERAL PATHOLOGY.

Facilities.—The department of pathology occupies the main part of the fourth floor of the college building, in which are a class room and working museum, demonstration room for pathological anatomy with refrigerating plant, a preparation room for pathological histology, four private laboratory rooms for officers of the department, an animal hospital, and the library.

Pathological material is drawn from New York Hospital, Bellevue Hospital and the City Morgue, Memorial Hospital for Cancer and Allied Diseases, and other Hospitals.

The museum contains a selected collection of 3,000 specimens illustrating most of the common and many rare pathological lesions. It is especially rich in lesions of bones and in tumors.

The histological cabinets contain about 20,000 slides arranged anatomically and cross-indexed for special diseases. There are also 300 sets of demonstration slides for undergraduate teaching purposes.

The library contains 12,000 bound volumes of current periodicals in English, French, German and Italian, and 5,000 selected reprints and monographs.

A volume is issued jointly by the Departments of Pathology, Bacteriology, and Hygiene, in which are collected the main studies coming from these laboratories. The Department of Pathology with the collaboration of heads of other departments conducts the work in Cancer Research of the Memorial Hospital, and at appropriate times issues reports of these studies.

Instruction.—The course of instruction in pathology begins in the first term of the second year, with lectures and gross and microscopical demonstrations, illustrating degeneration, inflammation, repair of tissue, and the infectious granulomas. At the same time the student observes the external phenomena of disease in demonstrations conducted by the Departments of Medicine and Surgery, reads about them in text-books, and prepares recitations on these topics. Coincidentally, biweekly demonstrations of gross pathological material collected from autopsies are conducted. The introduction of each topic is made by individual demonstration of museum specimens followed by the study of microscopic sections. Further co-ordination of work is accomplished by having the course in bacteriology proceed at the same time. The second term is devoted to the Special Pathology of the organs and constitutional diseases. The third term is occupied with the subject of tumors. In the first term of the third year neuropathology, gynecological pathology and osteopathology are considered. Surgical pathology is taught in New York and Bellevue Hospitals in the third year in connection with ward classes.

Pathological Anatomy is continued through three terms of the course in general pathology, and in the third and fourth years the student witnesses or performs autopsies. Various elective courses are offered in the latter portion of the fourth year.

SYNOPSIS OF COURSES.

General Pathology.—Lectures, gross and microscopical demonstrations in
(a) Degeneration, Inflammation, Regeneration, Granulomas. Required

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in first term of second year. (b) Special Pathology. Required in second term of second year. (c) Tumors. Required in third term of second year. (d) Osteopathology, Neuropathology, Gynecological pathology. Required in the first term of third year. 243 hours. Professors Ewing, L'Esperance and Denton and Drs. Olcott, Stevenson and Fraser.

Pathological Anatomy.—Demonstrations of gross lesions in material collected from autopsies, gross pathological diagnosis, pathogenesis of symptoms and lesions. 66 hours. Required in second year. Professor Schultze, Drs. Cassassa and Dodge.

Autopsy Technique.—Section teaching at Morgue. Required in third year. Professor Symmers and Dr. Whitcomb.

Medico-legal Pathology.—The medico-legal relations of pathology are extensively illustrated in the material collected in the morgue and in the museum, and special attention is devoted to this subject in the third and fourth years. Professor Schultze, Drs. Cassassa and Dodge.

Recitations, Examinations.—Written recitations are conducted monthly throughout the year. Written and practical examinations are held at the end of the course.

Electives.—In the latter part of the fourth year the student may return to the laboratory and pursue advanced courses in several fields to be determined on consultation. The following courses are specifically recommended.

1. Pathological technique.
2. Tumor diagnosis and General Oncology.
3. Gynecological Pathology.
4. Dermatopathology.
5. Neuropathology.
6. Surgical Pathology.
7. Special pathology and study of groups of cases with the production of a thesis.

Most of these elective courses will require the student's entire time for one to three months but may be continued into the summer.

Special Students and Special Degrees.—Opportunity is afforded to a limited number of students to engage in original research in selected topics under the direction of an instructor. The student must contract to devote his entire time, in the usual sense, to the pursuit of the problem, and the results of the work may be published under the auspices of the department. The work may be pursued in the college laboratories, in the Loomis Laboratory, at the New York Hospital, or at the Memorial Hospital in cancer research.

Under the conditions laid down in the Graduate School of Medicine, the student may obtain the degree of M.S., after one year, or Ph.D. after three years of study in Pathology. The completion of an original thesis is required for these degrees, and they are granted only to graduates in Medicine.

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CANCER RESEARCH

Since 1904 the work of the Memorial Hospital in Cancer Research has been located in the laboratories of Cornell University Medical College under the general direction of the Department of Pathology, and with the collaboration of heads of other departments. Later through the support of Dr. James Douglas, and the co-operation of the Board of Managers, it has been extended to the laboratories of the Memorial Hospital. A laboratory building accommodating pathology, biology, chemistry and physics has been erected.

The organization of this work includes pathology, Prof. Ewing; bacteriology, Prof. Torrey; chemistry, Prof. Benedict; biology, Prof. Stockard; pathology, Prof. L'Esperance.

Clinical studies in the diagnosis, natural history, and treatment of neoplastic diseases are conducted in the hospital by the members of the Staff. The general conduct of the ward service is in charge of Dr. Wm. S. Stone, Clinical Director. Several fellowships in the clinical study of cancer are available for young physicians who wish to become specialists in the diagnosis and treatment of cancer. The Radium Department is in charge of Dr. Douglas Quick. Other special departments are conducted by Drs. B. S. Barringer, Burton J. Lee, William P. Healy and others. The physics laboratory is in charge of Mr. Gioacchino Failla, Physicist, and four assistants. It possesses eight grams of radium metal. The X-ray Department is in charge of Dr. Ralph E. Herendeen, Roentgenologist. Prof. Walter F. Wilcox is Consulting Statistician.

SUMMARY

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
General and Special Pathology	195 hours	48 hours	.....
Pathological Anatomy	66 hours	10 hours	.....
Autopsy Technics .....	.....	.....	Variable

BACTERIOLOGY.

WILLIAM J. ELSER, M.D., *Professor of Bacteriology and Immunology.*

ARTHUR F. COCA, M.D., *Professor of Immunology.*

ROBERT A. COOKE, M.D., *Assistant Professor of Applied Immunology.*

GEORGE W. WHEELER, M.D., *Assistant Professor of Bacteriology.*

ELLA F. GROVE, *Instructor in Immunology.*

RUTH A. THOMAS, A.B., C.P.H., *Instructor in Bacteriology.*

WILL C. SPAIN, M.D., *Instructor in Applied Immunology.*

EDGAR L. MILFORD, A.B., *Assistant in Bacteriology and Immunology.*

EUGENIE LESLIE, M.D., *Assistant in Bacteriology.*

I. Bacteriology.

The subject is taught in the second year in two parts. Part I includes the preparation of culture media, the principles of sterilization and disinfection, the methods of isolation and differentiation of bacterial species



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and a study of their bio-chemical behaviour. Part II includes a detailed study of the pathogenic bacteria; special attention being paid to their relation to diseases of man. This work is supplemented by lectures and conferences dealing with the theoretical phases of bacteriology and immunology.

II. Immunology.

A laboratory and didactic course is given to second year students in two sections following the course in bacteriology. This course is designed primarily to familiarize the student with the fundamental immunological and serological principles, as well as the technic involved in the recognized clinical and forensic application of those principles, viz., the Widal, precipitin, Wassermann, von Pirquet, Schick, and Dick tests; the standardization of antitoxins; the grouping of human individuals with respect to iso-hemagglutinins; and the cutaneous test for atopic hypersensitiveness (asthma and hay fever).

III. Applied Immunology.

An elective clinical course in applied immunology is offered to fourth year students. This course consists of the practical study of various forms of hypersensitiveness in man, ample material for which is provided in the special clinic, two evenings (4 hours) for one week at the New York Hospital.

SUMMARY

	Second Year.	Fourth Year.
Bacteriology	160 hours	.....
Immunology	50 hours	elective

PUBLIC HEALTH AND PREVENTIVE MEDICINE.

JOHN C. TORREY, Ph.D., *Professor of Public Health and Preventive Medicine.*

WALTER C. KLOTZ, M.D., *Assistant Professor of Public Health and Preventive Medicine.*

MORTON C. KAHN, Ph.D., *Associate in Public Health and Preventive Medicine.*

RALPH W. NAUSS, M.D., D.P.H., *Instructor in Public Health and Preventive Medicine.*

Instruction in some of the many branches of hygiene and preventive medicine is given in connection with certain of the courses pursued in the several departments of Bacteriology, Chemistry, Physiology, Pathology and Medicine.

The more distinctive features of this subject, however, are presented in a course of lectures and demonstrations extending throughout the third year and dealing with the subjects of Sanitation, Epidemiology, Preventive Medicine and Public Health Administration. A certain amount of laboratory work is required of each student in the first term. In addition time has been allotted for field work through which the student may acquire experience in making sanitary surveys and visit localities in the vicinity where the practical application of sanitary devices and hygienic methods may be observed. Each student is required to prepare a short thesis on some aspect of public health work.

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It is also the aim of the department to take full advantage of the opportunities offered by the Clinic for instruction in the preventive aspects of medicine. Such close correlation is facilitated through the fact that the Assistant Professor is also director of the Cornell Clinic.

The laboratory is open to properly qualified students of the third or fourth years who may desire to pursue original investigations under the direction of the staff and in accordance with the regulations of the college office.

SUMMARY.

	<i>Third Year.</i>
Lectures and Conferences	42 hours
Laboratory Work	72 hours
Field Work	36 hours*

*Eleven afternoons are assigned for field experience.

Text-books.—Rosenau, *Preventive Medicine and Hygiene*.

Collateral Reading.—MacNutt, *Manual for Health Officers*; Vaughan, *Epidemiology and Public Health*; Chandler, *Animal Parasites and Human Disease*.

MEDICINE.

LEWIS A. CONNER, M.D., *Professor of Medicine*.

WALTER L. NILES, M.D., *Professor of Clinical Medicine*.

EUGENE F. DUBOIS, M.D., *Associate Professor of Medicine*.

NELLIS B. FOSTER, M.D., *Associate Professor of Medicine*.

WILLIAM C. THRO, M.D., *Professor of Clinical Pathology*.

ALEXANDER LAMBERT, M.D., *Professor of Clinical Medicine*.

MALCOLM GOODRIDGE, M.D., *Professor of Clinical Medicine*.

JOHN W. CHURCHMAN, M.D., *Professor of Experimental Therapeutics*.

HENRY B. RICHARDSON, M.D., *Assistant Professor of Medicine*.

RUSSELL L. CECIL, M.D., *Assistant Professor of Clinical Medicine*.

ARTHUR L. HOLLAND, M.D., *Assistant Professor of Clinical Medicine*.

RALPH G. STILLMAN, M.D., *Assistant Professor of Clinical Pathology*.

CARY EGGLESTON, M.D., *Assistant Professor of Clinical Medicine*.

HAROLD E. B. PARDEE, M.D., *Assistant Professor of Clinical Medicine*.

HARRY A. BRAY, M.D., *Lecturer on Tuberculosis*.

ALICE R. BERNHEIM, M.D., *Associate in Medicine*.

JOHN H. RICHARDS, M.D., *Instructor in Clinical Pathology and Medicine*.

✓ NANCY JENISON, M.D., *Instructor in Medicine*.

✓ WALTER H. BRUNDAGE, M.D., *Instructor in Medicine*. Fr

✓ DAN H. WITT, M.D., *Instructor in Medicine*.

✓ HORACE S. BALDWIN, M.D., *Instructor in Medicine*.

CHARLES H. NAMMACK, M.D., *Instructor in Medicine*.

ASA L. LINCOLN, M.D., *Instructor in Medicine*.

PAUL REZNIKOFF, M.D., *Instructor in Medicine*.

WHEELAN DWIGHT SUTLIFF, M.D., *Instructor in Medicine*.

✓ EDWIN T. HAUSER, M.D., *Instructor in Medicine*.

WALTER S. MCCLELLAN, M.D., *Instructor in Medicine*.

MORTON RYDER, M.D., *Instructor in Clinical Medicine*.

✓ BENJAMIN H. ARCHER, M.D., *Instructor in Clinical Medicine*.

✓ HAROLD S. BELCHER, M.D., *Instructor in Clinical Medicine*.

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- ✓ LAILA COSTON CONNER, M.D., *Instructor in Clinical Medicine.*
- ~~HAYNES H. FELLOWS, M.D., *Instructor in Clinical Medicine.*~~
- ✓ CONNIE M. GUION, M.D., *Instructor in Clinical Medicine.*
- HARRY H. HAMILTON, M.D., *Instructor in Clinical Medicine.*
- ✓ LOUIS A. HAUSER, M.D., *Instructor in Clinical Medicine.*
- ✓ EDMUND R. P. JANVRIN, M.D., *Instructor in Clinical Medicine.*
- ✓ BERTON LATTIN, M.D., *Instructor in Clinical Medicine.*
- ✓ LEON I. LEVINE, M.D., *Instructor in Clinical Medicine.*
- ✓ ANNA PLATT, M.D., *Instructor in Clinical Medicine.*
- ✓ NEIL C. STEVENS, M.D., *Instructor in Clinical Medicine.*
- ✓ DOUGLASS PALMER, M.D., *Instructor in Clinical Medicine.*
- SYDNEY WEINTRAUB, M.D., *Instructor in Clinical Medicine.*
- ✓ HARRY BERKOFF, M.D., *Instructor in Clinical Medicine.*
- ✓ HELEN GAVIN, M.D., *Instructor in Clinical Medicine.*
- ✓ EVELYN HOLT, M.D., *Instructor in Clinical Medicine.*
- MICHAEL LAKE, M.D., *Instructor in Clinical Medicine.*
- ✓ WINIFRED KIRK, M.D., *Instructor in Clinical Medicine.*
- ✓ EPHRAIM SHORR, M.D., *Instructor in Clinical Medicine.*
- THEODORE J. CURPHEY, M.D., *Instructor in Clinical Medicine.*
- ✓ KIRBY MARTIN, M.D., *Instructor in Clinical Medicine.*
- ✓ J. RANDOLPH QUINN, M.D., *Instructor in Clinical Medicine.*
- ✓ MALCOLM K. SMITH, M.D., *Instructor in Clinical Medicine.*
- ✓ EDWARD TOLSTOI, M.D., *Instructor in Clinical Medicine.*
- ✓ HARRIET WHITE, M.D., *Instructor in Clinical Medicine.*
- ~~DOROTHY R. RHODES, A.B., *Assistant in Medicine.*~~

The course in Medicine is begun in the first trimester of the second year and is continued through the second, third and fourth years. Instruction is given by means of didactic lectures, laboratory exercises, amphitheatre clinics, recitations, section classes in the wards and in the College Clinic and clinical clerkships in the wards of Bellevue and New York Hospitals.

SECOND YEAR

Introductory Clinics.—The subject of Medicine is introduced in the first trimester by a series of elementary clinics given at the New York Hospital by Professors Conner and Foster. These clinics are designed to acquaint the student with the simpler and more obvious aspects of important and common types of diseases and to stimulate in him the habit of observation. In Bellevue Hospital during the same period a course in Pathological Physiology consisting of lectures and illustrative clinics is given by Professors DuBois, Richardson, Cecil, and Dr. McClellan. The exercises are intended to bridge the gap between the course in Physiology and that in Medicine and to emphasize the importance of the changes in function which occur in disease.

In the third trimester clinics are held in the Amphitheatre of Bellevue Hospital by Professor DuBois and his associates.

Recitations.—A systematic study of Osler's Textbook of Medicine is begun in the second trimester. Recitations are held once a week by Professor DuBois and Dr. Witt.

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Physical Diagnosis.—During the first trimester the principles of Physical Diagnosis are presented in lectures and demonstrations by Dr. Pardee and the students are instructed in the various methods of physical examination. In the second trimester the student is given opportunity to practise physical diagnosis by the examination of patients in the wards of the New York and Bellevue Hospitals. The Class is divided into small sections and the bedside teaching conducted by Doctors Pardee, Nammack, Richardson, Baldwin, Hauser and McClellan under the direction of Professor Foster.

THIRD YEAR

Lectures.—During the first and second trimesters one lecture a week is given by Professor Conner upon the general symptomatology of disease. Each of the commoner and more important symptoms is considered in detail with special reference to the physiological processes involved.

Physical Diagnosis.—This subject is continued in the third year during the second and third trimesters. The Class is divided into small groups, each of which in turn is assigned to service in the medical department of the College Clinic. Each student under careful supervision of an instructor is expected to take histories and to make and record physical examinations. This course is under the direction of Professor Cecil.

Clinics.—In the first and third trimesters general medical clinics are held once a week in the College Amphitheatre by Professor Conner. At the Clinics are presented such ambulatory types of medical diseases as are usually not seen in the hospital wards.

Recitations.—The systematic study of Osler's Textbook of Medicine, begun in the second year, is continued during all the three trimesters of the third year. Recitations are conducted by Professors Cecil and Richardson and Doctors Richards and Baldwin.

Therapeutics.—Instruction in therapeutics, under the charge of Professor Goodridge, is given in the form of lectures and conferences, during the third trimester of the third year, and practical demonstrations in the wards of Bellevue Hospital during the period of clinical clerkship in the fourth year. For one-half of this period (two weeks) especial emphasis is laid upon treatment and the student receives practical instruction in the use of the more important drugs and in the various other therapeutic procedures.

Clinical Pathology.—The introductory required course, under the charge of Professor Thro, is given in the first trimester of the third year. It consists of ninety-six hours of lectures and laboratory work. This time is devoted to the teaching and the practical application of methods for the examination of urine, blood and blood serum, sputum, exudates and transudates, spinal fluid, gastric contents, faeces, and for the bacteriological examination of clinical material.

During the remainder of the third year and in the fourth year the students perform laboratory tests on patients assigned them in the clinics and hospitals, where they are supervised by instructors in the Department of Medicine.

DETAILS OF THE PLAN OF INSTRUCTION

In the latter part of the fourth year students have an opportunity to elect work in Clinical Pathology.

FOURTH YEAR

Clinical Clerkships.—The time allotted to medicine in the last year is devoted entirely to practical work in the wards of New York and Bellevue Hospitals and to elective subjects. Each student is required to serve for a period of two months as clinical clerk in the medical wards; the time being divided equally between New York and Bellevue Hospitals. During this period his entire day is spent in the wards and clinical laboratories. A certain number of patients are assigned for study to each student. Under careful supervision he takes the histories, makes physical examinations, performs the various necessary laboratory examinations and records the progress of the cases. He is expected to be present at all post-mortem examinations and to attend the clinical pathological conferences. Each afternoon teaching rounds for the entire group on duty are made by some member of the Attending Staff.

At the New York Hospital, in addition to the routine ward teaching by Professors Conner and Foster, a weekly conference by Professor Foster is held with the group upon disorders of metabolism and their treatment, as exemplified by cases in the wards; a course of eight periods on the fluoroscopic investigation of the gastro-intestinal tract is given by Doctor Holland, and a part of one afternoon of each week is devoted by Doctor Pardee to the study of cardiac arrhythmias and the interpretation of electrocardiographic and polygraphic records.

At Bellevue Hospital, in addition to the routine ward teaching by Professors DuBois, Niles, and Goodridge, a clinical pathological conference and a medical clinic are held once a week. At the latter, cases presented by the student clerks are discussed by the staff and the results of experimental work done by the research members of the staff are demonstrated in connection with the cases studied. During this period also the students spend four afternoons in the wards of the Tuberculosis Division where, through the courtesy of Dr. James Alexander Miller, Visiting Physician in charge, they receive instruction together with students from the College of Physicians and Surgeons.

Elective Studies.—The latter part of the fourth year is available for elective work. For courses offered see page 68.

Graduate Study and Research.—The clinics and laboratories of Bellevue and New York Hospitals are available for special study and research to a limited number of physicians possessing suitable training.

Bellevue Hospital Clinic.—The Russell Sage Institute of Pathology is especially equipped for the investigations of problems of metabolism. The calorimeter is operated in conjunction with a metabolism ward and there is a chemical research laboratory for the study of problems connected with respiration and the gases of the blood.

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New York Hospital Clinic.—The clinical laboratory and chemical laboratory are closely allied with the wards and offer excellent facilities for the study of the chemical aspects of disease. Special lines of research may also be carried on in the serological and bacteriological laboratories of the Hospital in conjunction with clinical observation in the wards. These laboratories have been used notably in the study of the anaemias, nephritis, and protein sensitization.

SUMMARY

*Medicine**

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	12 hours	33 hours	.....
Recitations	21 hours	33 hours	.....
Clinics	82 hours	35 hours	.....
Clinical Clerkships .....	.....	.....	312 hours
Sections	44 hours	10 hours	.....
Clinical Pathology .....	.....	96 hours	.....

SURGERY.

CHARLES L. GIBSON, M.D., *Professor of Surgery.*

JOHN A. HARTWELL, M.D., *Associate Professor of Surgery.*

HENRY H. M. LYLE, M.D., *Assistant Professor of Surgery.*

BURTON J. LEE, M.D., *Professor of Clinical Surgery.*

JAMES MORLEY HITZROT, M.D., *Professor of Clinical Surgery.*

ALFRED S. TAYLOR, M.D., *Professor of Clinical Surgery.*

POL CORYLLOS, M.D., *Professor of Clinical Surgery and Assistant in Surgical Research.*

JOSHUA E. SWEET, M.D., *Professor of Surgical Research.*

CHARLES E. FARR, M.D., *Assistant Professor of Clinical Surgery.*

JOSEPH P. HOGUET, M.D., *Assistant Professor of Clinical Surgery.*

JOHN C. A. GERSTER, M.D., *Assistant Professor of Clinical Surgery.*

HAROLD E. SANTEE, M.D., *Assistant Professor of Clinical Surgery.*

GUILFORD S. DUDLEY, M.D., *Assistant Professor of Clinical Surgery.*

ELISE S. L'ESPERANCE, M.D., *Assistant Professor of Pathology.*

RALPH G. STILLMAN, M.D., *Assistant Professor of Clinical Pathology.*

MORRIS K. SMITH, M.D., *Assistant Professor of Clinical Surgery.*

BYRON S. STOOKEY, M.D., *Assistant Professor of Clinical Surgery.*

LEILA C. KNOX, M.D., *Instructor in Surgical Pathology.*

ABRAHAM J. BELLER, M.D., *Instructor in Operative Surgery.*

JOSEPH E. J. KING, M.D., *Instructor in Surgery.*

W. MORRIS WEEDEN, M.D., *Instructor in Surgery.*

RUSSEL H. PATTERSON, M.D., *Instructor in Surgery.*

H. H. JOHNSON, M.D., *Instructor in Operative Surgery.*

NELSON W. CORNELL, M.D., *Instructor in Surgery.*

PAUL K. SAUER, M.D., *Instructor in Operative Surgery.*

HERBERT BERGAMINI, M.D., *Instructor in Clinical Surgery.*

WOODHULL C. CONDUCT, M.D., *Instructor in Operative Surgery.*

DETAILS OF THE PLAN OF INSTRUCTION

WILLIAM V. HEALEY, M.D., *Instructor in Operative Surgery.*

WALTER STENSON, M.D., *Instructor in Operative Surgery.*

HARRY J. WALSH, M.D., *Instructor in Surgical Pathology.*

EDWARD W. SAUNDERS, M.D., *Instructor in Clinical Surgery and Assistant in Surgical Research.*

CHARLES T. OLCOTT, M.D., *Instructor in Surgical Pathology.*

GILBERT DALLDORF, M.D., *Instructor in Surgical Pathology.*

JACOB BUCKSTEIN, M.D., *Instructor in Surgical Roentgenology.*

JOSEPH S. J. MANNING, M.D., *Instructor in Surgery.*

HAYES E. MARTIN, M.D., *Instructor in Clinical Surgery.*

PRESTON A. WADE, M.D., *Assistant in Surgery.*

JOHN E. SUTTON, JR., M.D., *Assistant in Clinical Surgery.*

HENRY S. F. COOPER, M.D., *Assistant in Clinical Surgery and in Surgical Research.*

JOHN H. MORRIS, A.B., M.D., *Assistant in Surgical Research.*

ARMAND QUICK, M.S., PH.D., *Assistant in Surgical Research.*

FLORENCE WEST, A.B., *Assistant in Surgical Research.*

PENELOPE MARSH, A.B., *Bacteriologist, Department of Surgery.*

In the second year the introductory course in surgery consists of a series of lectures and recitations, clinics and sections in Bellevue and St. Mary's Hospitals.

In the third year recitations are continued upon regional surgery; the class is instructed in sections at St. Luke's Hospital in history taking and methods of surgical examination and diagnosis, three hours a week for one term, and four and a half hours a week at Memorial Hospital in neoplasms.

In the second and third terms clinics for the whole class are held weekly at New York and St. Luke's Hospitals. Twenty-three lectures are given by the Professors of Surgery.

A Fracture Course consisting of eleven lectures and demonstrations is given under the direction of Drs. Hitzrot and Smith.

Operative Surgery. The course in charge of Dr. John C. A. Gerster consists of recitations and operative work on the cadaver. Each member of the class performs all the principal operations.

In the fourth year students spend eight weeks as clinical clerks in the wards of the New York and Bellevue Hospitals. They also receive clinical instruction in small groups in several hospitals and dispensaries on the special branches of gynecology and orthopedics. In the last two months all the work is purely elective and the students may supplement their work in surgery by clinical and laboratory electives.

HOSPITAL WORK

The Cornell University Medical College through its control of the First Surgical Service of the New York Hospital, the Second Surgical Division of the Bellevue Hospital and the Memorial Hospital and with clinical privileges at St. Luke's and St. Mary's Hospitals, possess every facility necessary for the efficient teaching of practical surgery and surgical pathology.

The Staff of Instruction of the New York Hospital is at present organized as follows:

NEW YORK HOSPITAL, CORNELL (FIRST SURGICAL) DIVISION.

CHARLES L. GIBSON, M.D., *Professor of Surgery, Attending Surgeon.*

JAMES M. HITZROT, M.D., *Professor of Clinical Surgery, Associate Attending Surgeon.*

CHARLES E. FARR, M.D., *Assistant Professor of Clinical Surgery, Associate Attending Surgeon.*

RALPH G. STILLMAN, M.D., *Assistant Professor of Clinical Pathology, Assistant Director Department of Pathology.*

GEORGE W. WHEELER, M.D., *Assistant Professor of Bacteriology, Bacteriologist.*

W. MORRIS WEEDEN, M.D., *Instructor in Surgery, Assistant Attending Surgeon.*

NELSON W. CORNELL, M.D., *Instructor in Surgery, Assistant Attending Surgeon.*

GILBERT DALLDORF, M.D., *Instructor in Surgical Pathology, Pathologist.*

CHARLES T. OLCOTT, M.D., *Instructor in Pathology, Assistant Pathologist.*

JOSEPH S. J. MANNING, JR., M.D., *Instructor in Surgery, Deputy Assistant Attending Surgeon Out Patient Department.*

PRESTON A. WADE, M.D., *Assistant in Surgery, Deputy Assistant Attending Surgeon and Anesthetist.*

The work is carried on in collaboration with the additional appointees from the Department of Pathology.

The division consists of about 60 surgical beds and a variable proportion of the children's service. The service is acute in character, and is particularly rich in the graver emergency and traumatic material.

Attached to this division is also a large Dispensary (Tuesday, Thursday and Saturday mornings), which furnishes valuable material for instruction and includes departments in orthopedics, gynecology and dental surgery.

The resources of the Pathological Department under Professor Elser afford valuable opportunities for the study of surgical pathology, and an intimate connection between the two departments is maintained.

Instruction consists of bedside instruction, diagnosis clinics, operative and post-operative clinics, practical instruction in sections (with utilization of the Dispensary clinical material) and clinical clerkships.

Fourth Year Clerkships.—Each section of students, for four weeks, is subdivided into four smaller groups and the course is planned to give a rotating service changing weekly. The work of the students is similar to that of the junior internes; but carried out under careful supervision. In addition, instruction is given by members of the Attending Staff, The Staffs of the Pathological Laboratory and of the Out Patient Department in special work.

All patients in the hospital service are assigned to the student groups who become responsible for all the histories, physical examinations, laboratory investigations and observations on treatment and convalescence after operation.

A special course in Surgical Pathology is given on three days a week by Dr. Dalldorf.

Students are urged to write a short paper during the course preferably on some case or subject studied during their clerkship.



BELLEVUE HOSPITAL, CORNELL (SECOND SURGICAL) DIVISION.

HAROLD E. SANTEE, M.D., *Assistant Professor of Clinical Surgery, Visiting Surgeon and Director of Second Surgical Division.*

JOHN A. HARTWELL, M.D., *Associate Professor of Surgery, Visiting Surgeon.*

GEORGE WOOLSEY, M.D., *Professor of Clinical Surgery Emeritus, Consulting Surgeon.*

JOHN ROGERS, M.D., *Professor of Clinical Surgery Emeritus, Visiting Surgeon.*

ALFRED S. TAYLOR, M.D., *Professor of Clinical Surgery, Visiting Surgeon (Neurology).*

GUILFORD S. DUDLEY, *Assistant Professor of Clinical Surgery, Visiting Surgeon.*

ELISE S. L'ESPERANCE, M.D., *Assistant Professor of Pathology, Surgical Pathologist.*

BYRON S. STOOKEY, M.D., *Assistant Professor of Clinical Surgery, Assistant Visiting Surgeon (Neurology).*

JOSEPH E. J. KING, M.D., *Instructor in Surgery, Assistant Visiting Surgeon (Neurology).*

RUSSEL H. PATTERSON, M.D., *Instructor in Surgery, Assistant Visiting Surgeon.*

HERBERT BERGAMINI, M.D., *Instructor in Clinical Surgery, Assistant Visiting Surgeon.*

HAYES E. MARTIN, M.D., *Instructor in Clinical Surgery, Surgeon to Out Patients and Adjunct Assistant Visiting Surgeon.*

JOHN E. SUTTON, M.D., *Assistant in Clinical Surgery, Surgeon to Out Patients and Adjunct Assistant Visiting Surgeon.*

HENRY S. F. COOPER, M.D., *Assistant in Clinical Surgery, Surgeon to Out Patients and Adjunct Assistant Visiting Surgeon.*

EDWARD W. SAUNDERS, M.D., *Instructor in Clinical Surgery, Surgeon to Out-Patients and Adjunct Assistant Visiting Surgeon.*

HARRY J. WALSH, M.D., *Instructor in Surgical Pathology, Pathologist.*

PENELOPE MARSH, *Bacteriologist, Department of Surgery, Surgical Bacteriologist.*

The Division consists of 90 surgical beds in addition to those devoted to genito-urinary diseases and gynecology the hospital instruction in which is outlined under their respective departments.

The hospital interne staff perform the routine duties of the wards, and are assisted in history taking, dressing, etc., by the surgical clerks, who spend their entire day in the wards during their period of clerkship, these privileges being extended exclusively to the students of the Cornell University Medical College.

Surgical Clerkships.—Intensive ward teaching is done under this head in the wards of Bellevue Hospital during the fourth year. The students are assigned in sections of four weeks each. They are under the direction of the Surgical Director aided by the corps of instructors.

Each student devotes his entire day to the work continuously for four weeks. He is assigned to the study of a certain number of patients, and is enabled to follow the complete course of the disease from the admission of

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the patient to his discharge. In the event of death he is present at the autopsy should one be performed.

In this way the student has an opportunity to follow to a conclusion a large number of surgical affections, and he is instructed in the proper methods of surgical history taking, surgical physical examination, surgical dressings, and operative surgery as seen at the operating table. He is also instructed in the laboratory study, including bacteriology, of the blood, urine, fæces, exudates, and transudates. This laboratory work is done under the direction of the staff in the laboratories connected with the hospital, and is under the immediate charge of the Surgical Pathologist to the Division. Each student spends 24 hours in the pathological laboratory, where he is instructed in a series of lesions illustrating the cases under his observation.

By this method of instruction, each student comes into intimate contact with surgical patients, and is required to make a complete study of each one from every standpoint. He has constantly at his service two or more of the teaching staff to guide him in his work, and impress on him the proper methods of observation and study.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	22 hours.	32 hours.	.....
Recitations	12 hours.	54 hours.	.....
Clinics	57 hours.	16 hours.	.....
Sections	9 hours.	15 hours.	.....
Operative Surgery .....	.....	40 hours.	.....
Clinical Clerkships .....	.....	.....	312 hours.
Elective .....	.....	.....	<i>Variable</i>

Text-books.—Arnhurst's *Text-book of Surgery*; Rose and Carles, *Surgery*; Choyce, *A System of Surgery*; Thompson and Miles, *Manual of Surgery*, 6th Edition; Gould, *Surgical Diagnosis*.

Collateral Reading.—Lexer-Bevan, *General Surgery*; Stimson, *Fractures and Dislocations*; Binnie, *Operative Surgery*, 7th Edition; Binnie, *Regional Surgery*; *Lehrbuch der Chirurgie*, Garré and Borchard; *Text Book of Surgery*, Da Costa.

OBSTETRICS AND GYNECOLOGY.

GEORGE GRAY WARD, M.D., *Professor of Obstetrics and Gynecology*.
 HAROLD C. BAILEY, M.D., *Associate Professor of Obstetrics and Gynecology*.
 LILIAN K. P. FARRAR, M.D., *Assistant Professor of Obstetrics and Gynecology*.
 HERVEY C. WILLIAMSON, M.D., *Assistant Professor in Obstetrics and Gynecology*.
 JOHN F. McGRATH, M.D., *Instructor in Obstetrics and Gynecology*.
 HOWARD S. McCANDLISH, M.D., *Instructor in Obstetrics and Gynecology*.
 ALFRED PLAUT, M.D., *Instructor in Gynecological Pathology*.
 OGDEN F. CONKEY, M.D., *Instructor in Obstetrics and Gynecology*.
 WILLIAM P. DRISCOLL, M.D., *Instructor in Obstetrics and Gynecology*.
 LYNN L. FULKERSON, M.D., *Instructor in Obstetrics and Gynecology*.
 JOSEPH N. NATHANSON, M.D., *Instructor in Obstetrics and Gynecology*.
 CHARLES T. SNYDER, M.D., *Instructor in Obstetrics and Gynecology*.

DETAILS OF THE PLAN OF INSTRUCTION

OBSTETRICS.

Instruction in obstetrics will be given during the third and fourth years by recitations, lectures, manikin practice, ward section work, clinics and conferences, laboratory instruction, and attendance upon cases of confinement.

THIRD YEAR—First Term—*Recitations* in sections will be held by the instructors on the physiology of pregnancy, the mechanism of labor and the care of the woman during the lying-in period. Definite assignments of study from a standard text-book are made. 12 hours.

Lectures will be given by Professor Bailey which are illustrated by lantern slides and the exhibition of specimens and methods, and deal with the problems of menstruation, ovulation, embryology and the physiology of early pregnancy and the puerperium. The principles of the hygiene of pregnancy and the conduct of normal labor are emphasized. 12 hours.

THIRD YEAR—Second and Third Terms—*Recitations* in sections dealing with the pathology of obstetrics will be held by Drs. Williamson, Gravelle and McCandlish. Certain subjects are allotted for study and the student is closely quizzed on this work. This course is in the nature of a conference and discussion is encouraged. 21 hours.

Manikin practice is given to sections of the class and carried on in correlations with the quiz class. There is individual work by the students upon the phantoms under the close supervision and criticism of the instructors, Drs. Gravelle, McCandlish and Conkey. 10 hours.

Third Term—Professor Bailey will give a series of illustrated lectures on the pathology and complications of pregnancy. 11 hours.

Second and Third Terms—*Ward Section Work.* The sections are divided into groups of eight or ten and they spend ten sessions of two hours each in the wards of Bellevue Hospital under the direction of Professor Bailey and the instructors. The sections are opened each day by the demonstration of whatever operative material there is at hand. It is then continued by bedside instruction in the management of the pregnant and parturient woman and the care of the new-born child. 20 hours.

Laboratory instruction is given in the Departments of Anatomy and Pathology upon the histology of the vulva, uterus, ligaments, Fallopian tubes, and ovaries in the pregnant and non-pregnant conditions and upon the histology and pathology of the decidua, chorion, placenta and umbilical cord. Material is demonstrated from cases of puerperal infections and toxemias of pregnancy.

FOURTH YEAR—First and Second Terms—*Practical Instruction—*Students attend cases in labor at the Berwind Maternity Clinic and make the requisite post-partum visits. The class in sections of five reside in the clinic building during a period of two weeks. Each student attends from twelve to twenty cases and when possible, follows his case from the prenatal visits to the tenth day of the puerperium. The student is instructed particularly in the prenatal care. The follow-up clinic, at this hospital, carries the mother

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through a period of six weeks and the child for a period of one year. The student does his work under the control of the staff of instructors. Conferences are held in the Clinic and free discussion of the cases under treatment is encouraged.

Approximately 98 hours.

Third Term—An elective course in advanced obstetrics is given under the direction of Professor Bailey. The student spends two weeks at Bellevue Hospital and two weeks at the Berwind Maternity Clinic and the periods are eight hours a day at the former institution and twelve hours a day at the latter. In order that a certain number of operative cases may be seen the time is divided through the month into day and night services. While on the Berwind Clinic service a student may elect to serve full time rather than a twelve hour day. Operative procedures are observed and the student takes part in the prenatal examination and general ward administration.

GYNECOLOGY.

Instruction in Gynecology is given during the third and fourth years by (1) Section teaching in the Out-Patient Department, (2) Didactic Lectures, (3) General operative clinics, (4) Section work in operative clinics, (5) Ward demonstrations and conferences, (6) Laboratory courses, and (7) Full time elective courses.

1. Small sections of three or four students are drilled by the instructors in methods of examination and treatment of ambulatory cases in the Cornell Clinic during the third year. In connection with the Out-Patient teaching, instruction is given in gynecological cystoscopy, the technic of endoscopy, cystoscopy, catheterizations and ureters and testing of kidney efficiency as applied to gynecological cases.

2. Professor Ward will give during the second term of the third year a course of didactic lectures and demonstrations on the fundamentals of Gynecology.

3. A general operative clinic by Professors Ward and Farrar is held at the Woman's Hospital for the fourth year students throughout the first and second terms. Charts, blackboard drawings, clay modeling, etc., are employed before the operation is begun, to teach the principles of operative gynecology: A stereomotograph is used during the operation to throw lantern slides upon the screen to show the operative steps and to refresh the student's memory of the anatomy of the region.

4. Small sections permit students at the operation to examine the patient under anæsthesia and thus enables them to study the detail of the operation, to write up reports, and to check up the diagnosis.

5. Ward demonstrations and conferences are held by the head of the department during the first and second terms of the fourth year at the Woman's Hospital. The students are brought into contact with the patients they have seen at operation and are thus enabled to follow the post-operative course of each case. They take histories of patients awaiting operation and make pelvic examinations under guidance.

DETAILS OF THE PLAN OF INSTRUCTION

Methods of diagnosis are demonstrated and the appropriate treatment is outlined. Non-operative treatments are demonstrated during these conferences.

6. A course in pathological gynecology is given by the department of Pathology during the third year. Specimens from the museum and microscopical sections of diseased tissues are demonstrated.

Lectures on gynecological pathology and laboratory demonstrations of secretions, discharges and specimens obtained from patients who come under operation are given to sections of the fourth year class by Dr. Plaut as a part of the course at the Woman's Hospital.

7. An elective course is given at the Woman's Hospital during the third term of the fourth year. The course provides for four students, working under supervision, as clinical clerks and assistants in the hospital from 9 A. M. to 5 P. M. daily for one month. It includes operating room work, the study of special research problems and preparation of a thesis.

SYNOPSIS OF COURSES.

Obstetrics

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	23 hours	.....
Recitations	33 hours	.....
Sections	30 hours	.....
Practical Obstetrics .....	.....	98 hours*
Gynecology		

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	10 hours	.....
Sections	10 hours	.....
Clinics .....	.....	(Elective)
Ward Demonstrations and Conferences .....	.....	102 hours
<i>Text-books.—Obstetrics, Williams, DeLee; Gynecology, Polak, Crossen.</i>		
Anspach, Graves, Ashton.		

PEDIATRICS.

- OSCAR M. SCHLOSS, M.D., *Professor of Pediatrics.*
 LOUIS C. SCHROEDER, M.D., *Assistant Professor of Pediatrics.*
 LYNNE A. HOAG, M.D., *Assistant Professor of Pediatrics.*
 ARTHUR F. ANDERSON, M.D., *Associate in Pediatrics.*
 SAMUEL Z. LEVINE, M.D., *Associate in Pediatrics.*
 JESSE F. SAMMIS, M.D., *Instructor in Pediatrics.*
 MAY G. WILSON, M.D., *Instructor in Pediatrics.*
 PHILIP M. STIMSON, M.D., *Instructor in Pediatrics.*
 THOMAS E. WALDIE, M.D., *Instructor in Pediatrics.*
 JAMES R. WILSON, M.D., *Instructor in Pediatrics.*
 ROBERT O. DUBOIS, M.D., *Assistant in Clinical Pediatrics.*
 CARL E. WEIGLE, M.D., *Assistant in Clinical Pediatrics.*

*Approximately.

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The aim of this department is to teach the fundamental principles of Pediatrics.

The student is given opportunity to become familiar with the diseases peculiar to infants and children, and receives special instruction in infant feeding and hygiene, and the therapeutics of children's diseases.

Third Year. There is a clinical lecture once a week during the second and third terms. This comprises a systematic consideration of the subject of Pediatrics, supplemented by the demonstration of illustrative cases. The students are assigned in sections for recitations in which the field of pediatrics is consecutively considered.

Sections of students are assigned to the wards for instruction in physical examination, diagnosis and treatment of sick infants and children.

A course of instruction in acute contagious diseases is given at the Willard Parker Hospital. The students have opportunity to become familiar with the diagnosis, care and treatment of such diseases.

Fourth Year.—The work during the fourth year is entirely practical. The major part of the instruction is in the Out Patient Department of the New York Nursery and Child's Hospital, but in addition, the students attend ward rounds and have an opportunity to study hospital cases. During the latter part of the year there is an elective course limited to a small number of students.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Clinics	31 hours	.....
Recitations	21 hours	.....
Sections	40 hours	.....
Clinical Clerkships .....	.....	48 hours
Elective .....	.....	60 hours

Text-books.—Holt and Howland, *Diseases of Infancy and Childhood*; Griffiths, *Diseases of Children*; Porter and Carter, *Management of the Sick Infant*.

Collateral Reading.—Still, *Common Disorders and Diseases of Childhood*; Hess, *Principles and Practice of Infant Feeding*; Morse and Talbot, *Diseases of Nutrition and Infant Feeding*.

SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY.

NEUROLOGY.

CHARLES L. DANA, M.D., *Professor of Clinical Medicine, Department of Neurology.*

FOSTER KENNEDY, M.D., *Professor of Clinical Medicine, Department of Neurology.*

THOMAS K. DAVIS, M.D., *Associate in Clinical Medicine, Department of Neurology.*

WALTER M. KRAUS, M.D., *Associate in Clinical Medicine, Department of Neurology.*

JUNIUS W. STEPHENSON, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

GEORGE H. HYSLOP, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

LEWIS STEVENSON, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

Instruction in neurological anatomy, physiology and chemistry is given by the respective departments in the first and second years.

Instruction in Neurology begins in the second semester of the Third Year with weekly clinical lectures and conferences. During this period optional instruction is also given to small groups in the college clinic under the direction of the Chief of Clinic. In the Fourth Year, the students are given clinical instruction in sections in the Neurological wards of Bellevue Hospital until the 1st of April. In the last two months of the Fourth Year optional courses in Neurology are given.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year</i>
Lectures .....	.....	.....
Clinics	21 hours	.....
Sections .....	.....	36 hours

Text-books.—Dana, *Diseases of the Nervous System*; Cecil, *Text-book of Medicine*.

Collateral Reading.—Works on nervous diseases by Sachs, Starr, Church and Peterson, Jelliffe and White, Oppenheim, Bing, and Stewart.

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PSYCHIATRY.

GEORGE H. KIRBY, M.D., *Professor of Clinical Medicine, Department of Psychiatry.*

JOSEPH P. EIDSON, M.D., *Instructor in Clinical Medicine, Department of Psychiatry.*

HENRY A. BUNKER, JR., M.D., *Instructor in Clinical Medicine, Department of Psychiatry.*

LELAND E. HINSIE, M.D., *Instructor in Clinical Medicine, Department of Psychiatry.*

ABRAHAM KARDINER, M.D., *Instructor in Clinical Medicine, Department of Psychiatry.*

Instruction in psychiatry is given in the third and fourth years. During the third year, first term, eleven lectures on psychopathology will serve as an introductory course to the study of clinical psychiatry. The students will become acquainted with the principles of abnormal psychology and their application in medical practice. During the second term the course in clinical psychiatry will begin with ten lectures dealing with the relation of psychiatry to general medicine, with special emphasis on the study of personality, borderline cases, psychoneuroses, psychopathic states and mental deficiency. There will also be given ten one-hour clinical demonstrations for the purpose of illustrating the types of cases discussed in the lectures. During the third term eleven lectures will be given dealing with the psychoses, their etiology, symptoms and treatment including their medico-legal aspects. Supplementing these lectures, eleven two-hour clinical demonstrations will be given on the wards of the Manhattan State Hospital, Ward's Island. The lectures and clinical presentations will afford the student an opportunity to become familiar with the examination, observation, diagnosis and treatment of mental disorders. Special emphasis will be placed on the earliest manifestations of mental diseases and their management while under the care of the general practitioner.

During the fourth year an elective course will be offered to a limited number of students. This will afford an opportunity for the personal examination and study of selected cases. Students may thus study in detail the evolution of symptoms and psychological mechanisms in various psychoneurotic and psychotic types. An opportunity will also be given for students to become familiar with the various psychometric tests which are used in establishing a diagnosis of mental deficiency.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures on Psychopathology	12 hours	.....
Lectures on Psychiatry	21 hours	.....
Clinics and Practical Exercises	32 hours	.....
Advanced Psychiatry .....	.....	(Elective)

SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY

UROLOGY.

EDWARD L. KEYES, M.D., *Professor of Clinical Surgery, Department of Urology.*

A. RAYMOND STEVENS, M.D., *Associate Professor of Clinical Surgery, Department of Urology.*

BENJAMIN S. BARRINGER, M.D., *Instructor in Clinical Surgery, Department of Urology.*

HOWARD S. JECK, M.D., *Instructor in Clinical Surgery, Department of Urology.*

WILLIAM A. WILSON, M.D., *Instructor in Clinical Surgery, Department of Urology.*

LISLE B. KINGERY, M.D., *Instructor in Clinical Surgery, Department of Urology.*

THOMAS J. KIRWIN, M.D., *Instructor in Clinical Surgery, Department of Urology.*

PAUL M. BUTTERFIELD, M.D., *Instructor in Clinical Surgery, Department of Urology.*

ROY B. HENLINE, M.D., *Instructor in Clinical Surgery, Department of Urology.*

ROBERT F. ZEISS, M.D., *Instructor in Clinical Surgery, Department of Urology.*

MIGUEL ALVAREZ, M.D., *Instructor in Clinical Surgery, Department of Urology.*

The courses in this department are required of students during the second, third and fourth year. They are designed to give instruction in diagnosis and treatment of the surgical diseases of the urinary and male genital organs.

Lectures.—Second Year. A course of eleven lectures will be given to the second-year class during the third term of the college session.

Section Teaching.—Second Year. The second-year class will be divided into sections of small size for instruction in the College Dispensary during the third term.

Clinic.—Third Year. A two-hour clinic will be given in Bellevue Hospital during the second term by Professor Keyes. At this clinic typical cases are demonstrated and discussed by the students themselves.

Hospital Work.—Students who elect the course in the fourth year are assigned to clerkships in the wards of Bellevue Hospital and study the cases in the wards devoted to Urology continuously for one month.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Clinics .....	.....	20 hours	.....
Sections	10 hours	.....	.....
Lectures	11 hours	.....	.....
Clinical Clerkships .....	.....	.....	(Elective)

Text-book.—Keyes.

Collateral Reading.—Cabot, Thompson-Walker, Young, Lowsley and Kirwin.

CORNELL UNIVERSITY MEDICAL COLLEGE

DERMATOLOGY.

HANS J. SCHWARTZ, M.D., *Professor of Clinical Medicine, Department of Dermatology.*

J. FRANK FRASER, M.D., *Associate in Clinical Medicine, Department of Dermatology.*

ANDREW J. GILMOUR, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

RAY H. RULISON, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

ARTHUR F. KRAETZER, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

Instruction in Dermatology and Syphilology will be given by Doctor Schwartz and his assistants. No teaching will be given didactically, but the cutaneous diseases will be demonstrated on the living subject. Abundance of material for such instruction is obtainable, and the student can thoroughly familiarize himself with the more common as well as with the rarer diseases of the skin by actual personal touch and observation. Attention is particularly paid to the diagnosis and the etiology of skin diseases, but their therapeutics also receive due consideration. Instruction will also be given in the intravenous and other forms of treatment by salvarsan and neosalvarsan.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Sections	10 hours	10 hours	Elective
Clinic	11 hours	22 hours	Elective

Text-book.—Stelwagon, *Diseases of the Skin.*

LARYNGOLOGY AND RHINOLOGY.

ARTHUR PALMER, M.D., *Acting Head and Assistant Professor of Clinical Surgery, Department of Laryngology and Rhinology.*

THOMAS A. MULCAHY, M.D., *Instructor in Clinical Surgery, Department of Laryngology and Rhinology.*

WILLIAM J. JACKSON, M.D., *Instructor in Clinical Surgery, Department of Laryngology and Rhinology.*

SAMUEL F. KELLEY, M.D., *Instructor in Clinical Surgery, Department of Laryngology and Rhinology.*

During the second year, the department instructs each student in the ordinary methods of examination of the nose and throat. The anatomy is reviewed and exercises in instrumentation are given.

During the third year, the head of the department gives instruction by clinical exercises and by didactic lectures. In this work, he is assisted by other members of the staff. Each student has practical experience in the

SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY

examination of patients in the clinic. The lectures given to the entire class are illustrated by models and by stereopticon projectives and by the presentation of cases.

Instruction is also given in the more recent measures employed in endoscopy and rhino-plasty.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures .....	.....	12 hours	.....
Sections	10 hours	20 hours	Elective
Clinic .....	.....	.....	Elective

Text-book.—Turner, *Nose, Throat and Ear.*

Collateral Reading.—St. Clair Thomson, *Diseases of the Nose and Throat*; Wright and Smith, *Diseases of the Nose and Throat.*

OPHTHALMOLOGY.

BERNARD SAMUELS, M.D., *Professor of Clinical Surgery, Department of Ophthalmology.*

GEORGE W. VANDEGRIFT, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

CHARLES A. DRAKE, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

AQUIN S. KELLY, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

SAMUEL P. OAST, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

ALGERNON B. REESE, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

Instruction in Ophthalmology is given during the second, third and fourth years. The class is divided into small sections for work in the College Clinic. Each student receives individual instruction in the use of the ophthalmoscope. External diseases of the eye and anomalies of the ocular muscles are covered in a practical way. Some time is devoted to errors of refraction and the fitting of glasses.

During the first part of the year the professor of the department gives clinical lectures to the entire class, the patients coming from the College Clinic and the New York Eye and Ear Infirmary. These lectures are illustrated with stereopticon pictures.

The fourth year class, in connection with the clinical clerkship, receives bedside instruction in small sections one hour a week at the New York Hospital.

In addition students may take Ophthalmology as an elective course, in this year. An opportunity to witness operations, on the living, by the professor and the instructors, is provided at the New York Eye and Ear Infirmary. The histopathology of the eye is taught by microscopical sections prepared for the purpose.

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SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Sections	20 hours
Clinic	11 hours	12 hours	Elective

Text-book.—Fuchs.

Collateral Reading.—De Schweinitz, May.

OTOLOGY.

FREDERICK WHITING, M.D., *Professor of Clinical Surgery, Department of Otolology.*

GEORGE B. McAULIFFE, M.D., *Assistant Professor of Clinical Surgery, Department of Otolology.*

GERVAIS W. McAULIFFE, M.D., *Instructor in Clinical Surgery, Department of Otolology.*

STEWART L. CRAIG, M.D., *Assistant in Clinical Surgery, Department of Otolology.*

For clinical instruction in Otolology the third-year class is divided into sections. Each student receives practical instruction in the College Dispensary from Professor Whiting and his assistants in the examination of patients, the use of the otoscope, and the various methods of testing the hearing. The student is permitted to examine patients and after a probationary period, to prescribe for them and thus gradually assume the duties of a clinical assistant. The students also have an opportunity of witnessing the more important operations in aural surgery, including intracranial complications, at the New York Eye and Ear Infirmary.

Lectures	<i>Third Year.</i> 10 hours
Sections	5 hours

Text-book.—Bacon, *On the Ear.*

Collateral Reading.—Politzer, *Diseases of the Ear*; Macewen, *Pyogenic Infective Diseases of the Brain and Spinal Cord*; Whiting, *The Modern Mastoid Operation*; McAuliffe, *Essentials of Otolology.*

ORTHOPEDIC SURGERY.

CHARLTON WALLACE, M.D., *Professor of Clinical Surgery, Department of Orthopedic Surgery.*

ARTHUR H. CILLEY, M.D., *Assistant Professor of Clinical Surgery, Department of Orthopedic Surgery.*

IRVIN BALENZWEIG, M.D., *Instructor in Clinical Surgery, Department of Orthopedic Surgery.*

KRISTIAN G. HANSSON, M.D., *Instructor in Clinical Surgery, Department of Orthopedic Surgery.*

JOHN S. WARE, M.D., *Instructor in Clinical Surgery, Department of Orthopedic Surgery.*

Instruction in this department is carried on in the third and fourth years:

I. In the first term of the third year:

(a) Didactic and clinical lectures are given for one hour a week to the entire class in the college lecture room. Professors Wallace and Cilley.

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(b) The students work in sections in the College Clinic for ten hours in the examination and treatment of patients. Prof. Cilley.

II. In the fourth year:

(a) Each section of the class receives bedside instruction in congenital and acquired deformities in the wards of the Hospital for the Ruptured and Crippled, two mornings each week for four weeks.

(b) One morning a week for four weeks each section receives instruction in physiotherapy in reference to the treatment of industrial surgical conditions at the Hospital for Ruptured and Crippled.

(c) Students are taught methods of examination and are required to examine the patient, giving a concise resumé of the history, diagnosis and treatment to be employed in each case. Informal recitations and discussions are held for one hour following the case work.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	12 hours	.....
Sections	10 hours	.....
Ward Work		36 hours

Text-books.—Whitman and Soutter's *Operative Orthopedics*.

ROENTGENOLOGY.

HARRY M. IMBODEN, M.D., *Professor of Roentgenology.*

RALPH E. HERENDEN, M.D., *Instructor in Roentgenology.*

RAMSAY SPILLMAN, M.D., *Instructor in Roentgenology.*

WEBSTER W. BELDEN, M.D., *Instructor in Roentgenology.*

JOHN R. CARTY, M.D., *Instructor in Roentgenology.*

IRVING SCHWARTZ, M.D., *Instructor in Roentgenology.*

This course is planned to give an introduction to the fundamentals of Roentgenology, beginning with some consideration of the principles of physics involved and then passing to the interpretation of findings on fluoroscopic screen and films. The instructors demonstrate to sections of the second year class the appearance of normal structures, and to sections of the third year class the typical pathologic conditions. In addition, instruction is given in the hospitals on the cases which the students see as clinical clerks.

Attention is also given to the subject of radiotherapy.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures .....	.....	21 hours	Elective
Sections	10 hours	10 hours	.....

MEDICAL JURISPRUDENCE

OTTO H. SCHULTZE, M.D., *Professor of Medical Jurisprudence.*

A course of lectures from the standpoint of the medico-legal autopsy, with demonstration of material, will be given by Professor Schultze. This

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course will cover autopsy technique in medico-legal cases, the autopsy protocol, and laboratory methods for establishing the proof of the cause of death in cases of accident, suicide, and homicide; also, the forensic aspect of the subject in cases of indemnity, liability and criminal prosecution.

The clinical aspects of the subject are covered in the regular course of study by several departments and by special lectures. The responsibilities of the physician towards the insane and their relatives and the general public, and the medico-legal aspects of mental deficiency are discussed by Professor Kirby. In the course on Obstetrics, Professor Bailey takes up the moral and legal side of rape, feigned and unconscious pregnancy, what constitutes a "live birth," feigned or unconscious delivery, injury to the fetus during precipitate labor, post-mortem delivery and the diagnosis of recent delivery. The medico-legal aspects of Toxicology are fully covered during the course in Pharmacology by Professor Hatcher.

MILITARY SCIENCE AND TACTICS.

WILLIAM H. ALLEN, M.D., *Major, M.C., U.S.A., Professor of Military Science and Tactics.*

This course is concurrent with the medical course, extending over a period of four years (two basic and two advanced), and is designed to prepare students for commissions in the medical section of the Officers' Reserve Corps upon graduation in medicine. Instruction embraces lectures and recitations, with graphic and stereopticon demonstrations at college one hour each week.

Summer Camps. One compulsory summer camp during the course is held at the Medical Field Service School, Carlisle, Pa., where actual field conditions are simulated. The whole is calculated to touch every important phase of medico-military science.

At camp the student takes an actual part in the mimic enactment of the various rôles played by the medical service in campaign, of which the two chief functions are the salvage of the wounded and the prevention of disease.

Sanitation, sanitary devices and epidemiological methods in peace and war time are demonstrated. A generous portion of time is given to athletics, field and gymnasium. There is some drill, some mapping and sketching, with such social entertainment as a college town of 10,000 may provide.

SYNOPSIS OF COURSE.

1st Year. The elements of Medico-military science, including Personal Hygiene, First Aid, Customs of the Service, Articles of War and Court Martial, Organization and Administration, Food, Clothing, Equipment, Shelter.

2nd Year. Medical Tactics. The Medical Soldier in War. Hygiene and Sanitation of Troops and battle areas. The Medical Regiment. First Aid, Shock, Hemorrhage, Gas, Evacuation and Transportation methods for wounded.

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3rd Year. The essentials of Military Hygiene and Sanitation. Water purification (in peace and war); Disposal of Wastes (in peace and war); Hygiene of Moving Troops; the Train, the Ship, the March.

Communicable diseases (in peace and war); Detection; Isolation; Prevention Methods. Sanitation: Garrison and Field. Inspections. Sanitary devices.

4th Year. Hospitals and Hospitalization (in peace and war); Development of hospitals; Construction; Equipment; Procurement; Government; Service and Practice; Interior Economy; Rules and Regulations.

Administration.

Special War Wounds; War Surgery; Chemical Warfare; War Diseases.

In the advanced Course the Government gives the student the money value of a ration which has usually amounted to about \$9.00 per month. There is an allowance of 70 cents per diem at the Summer Camp, with a ration, and the transportation from College or home to Camp and return, or 5 cents a mile, in lieu of Government transportation.

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FOURTH YEAR ELECTIVES.
SESSION OF 1926-1927

April 4th to May 28th, 1927

Students will register their courses at the Secretary's office on or before March 1st.

A. ANATOMY.

- I. General Histology. Dr. Chambers. 2 months. Mondays, Wednesdays, Fridays, 9-12. 3-6 students.
- II. Experimental Cellular Biology. Drs. Chambers and Reznikoff. 2 months. Full time desirable. Applicants should have special interest in the physico-chemical aspects of living tissues. The work consists in co-operating in research. 1-2 students.
- III. Anatomy of the Infant. Dr. Stockard. 2 months. Mondays, Wednesdays, Fridays, 2-5 P.M. 1-4 students.
- IV. Experimental Embryology. Dr. Stockard. 2 months. Tuesdays, 2-3 P.M. Not less than 6 students.
- V. Regional Anatomy. Dr. Morrill. 1 month, April or May. 6-10 students per month.
- VI. Applied Anatomy. Dr. Sneed. 1 month, April. Tuesdays and Thursdays, 3-5 P.M.

Py. PHYSIOLOGY.

- I. Calorimeter Investigation. Dr. Lusk. April only. 4 weeks. 9 A.M.-1 P.M. daily. 2 students.
- II. Electrocardiography. Dr. Edwards. 12 weeks. 1-5 P.M. daily. 1-4 students.

C. CHEMISTRY.

- I. Chemical Pathology. Selected work in Blood Analysis. Dr. Benedict. 1 month, April only. Tuesdays and Thursdays, 10-1. 6-10 students. (Students must secure the approval of Dr. Benedict in advance of registration.)

Pr. PHARMACOLOGY.

- I. Pharmacology of Cardiac Drugs. Drs. Hatcher and Gold. 2-week periods. Monday, Wednesday, Friday, 2-5 P.M. 4-12 students. Laboratory work with conferences. The course is intended to aid the student in the therapeutic use of various drugs in this group.

M. MEDICINE.

- I. Clinical Clerks. Drs. Conner, Foster and Stillman. New York Hospital. 1 month periods. Daily, all day. 5 students.
- II. Physical Diagnosis of Diseases of the Chest. Dr. Ryder. Bellevue Hospital. April or May. Tuesday and Thursday, 2-5 P.M. Students are expected to spend at least two mornings per week preparing cases. Open to fourth year students and graduates. 5 students.

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- III. Advanced Course in Metabolism Methods. Drs. DuBois, Richardson, McClellan and Shorr. Bellevue Hospital. The hours and work in this course will be arranged, if possible, according to the free time of the students. Instruction will be given in the technique of basal metabolism determinations by various methods including some work with the respiration calorimeter. Students will be instructed in the planning of diets and the methods of conducting metabolism experiments. Each student is expected to take part in some original investigation. 1 or 2 months. Daily, one-half day. 4 students.
- IV. Fluoroscopy of the Gastro-Intestinal Tract. Dr. Holland. New York Hospital. 1 month periods. Tuesday and Friday, 4-6 P.M. 6 students.
- V. Electrocardiography and Polygraphy. Interpretation of the electrocardiogram and the use of the polygraph and the interpretation of its records. Dr. Pardee. New York Hospital. 1 month periods. Monday and Friday, 3-5 P.M. 5 students.
- VI. Diagnosis and Treatment of Heart Failure. Dr. Eggleston. Bellevue Hospital. 1 month periods. Monday and Wednesday. 2 to 5 P.M. 6 students. Students are expected to devote some additional time to the preparation of cases and the study of literature.
- VII. Physical Diagnosis of the Chest. Dr. Evelyn Holt. New York Hospital. 1 month periods. Monday and Wednesday, 2-4 P.M. 6 students. (By special arrangement Friday, 2-4 P.M. may be substituted for either Monday or Wednesday.)
- VIII. Clinical Course in Asthma and Hay Fever. Dr. Baldwin. At the Cornell Clinic. Tuesdays, 1:30 to 4:00 and 5:00 to 7:30. 2 groups, 2 students each, 2 months.
- IX. Tuberculosis and Other Diseases of the Lungs. Dr. H. A. Bray. This course is given at the Ray Brook Sanitarium during the month of April. Quarters for the students are provided in the Sanitarium but the students must pay their railroad expenses.
- X. Course in Gastro-Enterology. Dr. Fellows and Associates. Cornell Clinic. Course to include the general examination of patient, fluoroscopic and protoscopic examinations, diagnosis and treatment. 1 month periods. Daily, 9:30 A.M. to 12:00 M. 4 students.

CP. CLINICAL PATHOLOGY.

- I. Advanced Clinical Pathology, Wednesday and Friday, 11-1. One month periods. Dr. W. C. Thro. Icterus Index. Fungi found in skin diseases. Determination of bicarbonate content of blood. Preparation of vaccine. Spinal fluid examination. Dark field examination. Parasites in blood and feces.

S. SURGERY.

- I. Clinical Clerks. Drs. Santee and Dudley. Bellevue Hospital. 1 month periods. All day. 4 selected students.

CORNELL UNIVERSITY MEDICAL COLLEGE

- II. Surgical Pathology. Dr. Symmers. Bellevue Hospital. Laboratory and wards. 1 month. Daily, full aime. 6 students.
- III. Clinical Clerks. Dr. Gibson. New York Hospital. 1 month periods. All day. 4 students.
- IV. Dispensary Course. New York Hospital. Drs. Weeden, Cornell, Wade and Manning. (Clinical course in fractures of upper extremity, minor surgery, "accident" surgery, and care and treatment of post-operative wounds.) Length of course 4 weeks. Time:—Tuesday, Thursday and Saturday, 9 to 12. 8 students.
- V. Surgical Diseases in Children. St. Mary's Hospital. Dr. Farr. Mondays, 9 to 12. One month periods. 4 students.
- VI. Surgical Diagnosis and Minor Surgery. Dr. Patterson. Daily except Saturday, 1:30-4:00 P.M. and Tuesday and Friday, 5:00-7:00 P.M. 1 month periods. 3 students.

Ob. OBSTETRICS.

- I. Clinical Clerkship in Obstetrics. Drs. Bailey and Williamson. Berwind Maternity Clinic and Bellevue Hospital. 1 month periods. Full time or 7 A.M.-7 P.M. 15 students. (See page 53 for description.)

Pt. PATHOLOGY.

- I. Tumor Diagnosis. Dr. Ewing. 2 months, 5 days; 1-5 P.M. daily, except Saturdays. 5 students.
- II. Pathological Thesis. Dr. Ewing. 2 months. All day, except Saturday. Saturday, 9 A.M.-12 M. 5 students.
- III. Gynecological Pathology. Dr. L'Esperance. 1 month. Monday Wednesday, Friday, 3 to 5 P.M.
- IV. Neuropathology. Dr. Stevenson. 1 month, May only. Monday, Tuesday and Friday, 9 A.M. to 12 M. 6 students.

B. BACTERIOLOGY.

- I. Clinical Course in Human Hypersensitiveness.
(Asthma, hay-fever, urticaria, angio-neurotic edema, food and drug idiosyncrasies.) At the New York Hospital. Tuesday and Thursday at 5 P.M. 8 students. 1 month. Dr. Cooke.
 - (1) Technique of the cutaneous test.
 - (2) Interpretation of the local reaction.
 - (3) History taking in atopic cases.
 - (4) Diagnosis and Treatment.

N. NEUROLOGY.

COURSES IN NEUROLOGY AND NEURO-ANATOMY. ONE-MONTH PERIODS.

- I. Neurology: clinics at Cornell Dispensary Monday, Tuesday, Thursday, 1 to 3 P.M.

FOURTH YEAR ELECTIVES

- II. Neurology: Bellevue Hospital. Dr. Kennedy and Assistants. Wednesday and Saturday 10:30 A.M. to 12 M. Work in the wards and in the neurological laboratory under the supervision of the visiting staff.
- III. Neurological Clinic. Neurological Institute. One day, 2-5 P.M. Dr. Junius W. Stephenson.
Students who desire additional Neurology can make arrangements with the teachers.
Students may take such parts of this course as they choose, except that it is imperative that they take at least the afternoon course at the College Clinic.
- IV. Neuro-Anatomy and Neuro-Pathology. Dr. Stevenson. See Pathology IV.

Ps. PSYCHIATRY.

- I. Clinical psychiatry, with special reference to incipient and border line cases in relation to general practice. Dr. Edison and assistants. For groups of 6 students at the College Dispensary 3 forenoons a week, Monday, Wednesday and Thursday, 9 to 11 A.M. for 1 month.
- II. Clinical psychiatry, examination of hospital cases with opportunity to study different types of psychoses. Drs. Kirby, Bunker and Hinsie. For 6 students, at the Psychiatric Institute. Ward's Island, Monday, Wednesday and Friday, 9 A.M. to 12 M., for 1 month.

Pd. PEDIATRICS.

- I. Clinical Pediatrics. Drs. Schloss, Schroeder, Sammis and Hoag. New York Nursery and Child's Hospital daily 9 A.M. to 5 P.M. for periods of 1 month. Limited to 3 or 4 students.
- II. Clinical Pediatrics. Dr. Stimson.
Cornell Clinic, Mondays 1:30-4; Wednesdays and Fridays 9:30-12. Malnutrition in older children. Unusual conditions for diagnosis and treatment.

G. GYNECOLOGY.

- I. Clinical Gynecology. Dr. Ward. Woman's Hospital. 1 month periods. Daily, as scheduled below. Work conducted in Wards, Operating Room, Laboratory and O.P.D. Preparation of a thesis or special research problem. 4 selected students.

A. FIRST TWO WEEKS.

Monday.

- | | |
|-------------------------|------------------------|
| 9-12. Operative Clinic. | 2-4. Operative Clinic. |
| 12- 1. Study. | 4-5. Pathological Lab. |

CORNELL UNIVERSITY MEDICAL COLLEGE

Tuesday.

9-11. Pathological Lab.
11-12:20. Cystos. Clinic.

2-5. Operative Clinic.

Wednesday.

9-10. O. P. D.
10-11. Follow-up.
11- 1. Study.

2-4. O. P. D.
4-5. Pathological Lab.

Thursday.

9-11. Pathological Lab.
11-12:30. Cystos. Clinic.

2-4. Operative Clinic.
4-5. Pathological Lab.
5 Conference, Surgical Staff.

Friday

9-11. Operative Clinic.
11-12. Conference.
12- 1. Study.

2-5. Operative Clinic.

Saturday.

9-11. O. P. D.
11- 1. Study.

2-3. O. P. D.

B. SECOND TWO WEEKS.

Monday.

9- 1. Wards.

2-4. Operative Clinic.
4-5. Pathological Lab.

Tuesday.

9- 1. Wards.

2-5. Operative Clinic.

Wednesday.

9- 1. Wards.

2-4. O. P. D.
4-5. Pathological Lab.

Thursday.

9- 1. Wards.

2-4. Operative Clinic.
4-5. Pathological Lab.
5 Conference, Surgical Staff.

Friday.

9-10. Wards.
10-11. Conference.
11- 1. Study.

2-5. Operative Clinic.

Saturday.

9- 1. Wards.

2-3. O. P. D.

II. Clinical Gynecology. Dr. McGrath, Cornell Clinic. 1 month periods.
Daily, 1-4 P.M. 3 students.

D. DERMATOLOGY.

I. Clinical Dermatology and Salvarsan Administration. Drs.
Schwartz, Fraser, Rulison, Gilmour, Kraetzer and Eller. 1 month
periods. Daily, 1:30-4 P.M. 6 students.

FOURTH YEAR ELECTIVES

L. LARYNGOLOGY.

- I. Clinical Clerkship in Laryngology and Rhinology. Dr. Palmer. Course includes operative work, comprising ordinary operations performed on the nose and throat as well as the modern procedures employed in endoscopy and rhino-plasty. 1 month periods. All day. 1 selected student.
- II. Clinical courses in Laryngology and Rhinology. Drs. Palmer and Mulcahy. 1 month periods. Daily, 2-4 P.M. College Clinic. 3 students.

Op. OPHTHALMOLOGY.

- I. Clinical Clerks. Dr. Samuels. New York Eye and Ear Infirmary, New York Hospital and College Dispensary. 1 month periods. All day. 2 students.
- II. Ophthalmoscopy and Refraction. Dr. Drake. N. Y. Eye and Ear Infirmary. Mondays and Fridays, 2-4 P.M. 1 month periods. 6 students.
- III. Ophthalmoscopy and Refraction. Dr. Vandegrift. Cornell Dispensary. 1 month periods. Mondays, Wednesdays, and Fridays. 2-4 P.M. 6 students.
- IV. Ophthalmoscopy and Refraction. Dr. Oast. N. Y. Eye and Ear Infirmary. 1 month periods. Mondays and Fridays, 2-4 P.M.
- V. Ophthalmoscopy. Dr. Kelly. N. Y. Eye and Ear Infirmary. 6 weeks periods. Mondays and Fridays, 2-4 P.M. 10 students.
- VI. Operative Ophthalmology. Dr. Kelly. N. Y. Eye and Ear Infirmary. 1 month periods. Wednesdays, 2-6 P.M. 20 students.
- VII. Ophthalmoscopy. Dr. A. B. Reese. N. Y. Eye and Ear Infirmary. Mondays and Fridays, 2-4 P.M. 10 students.
- VIII. Ophthalmoscopy and Refraction. Dr. Oast. Cornell Clinic, Tuesdays and Thursdays, 1-4 P.M. 6 students.

Ot. OTOTOLOGY.

- I. Otology. Dr. Whiting. N. Y. Eye and Ear Infirmary. 1 month periods. Mondays, Wednesdays and Fridays, 2-3 P.M. 5 students.
- II. Otology. Dr. McAuliffe. College Clinic. 1 month periods. Daily, 2-4 P.M. 3 students.

Or. ORTHOPEDICS.

- I. The Orthopedic Department of the Hospital for Ruptured and Crippled on Mondays, Wednesdays and Fridays, from 3:30-5 P.M. Doctors Wallace and Balenzweig. 10-12 students.
- II. The College Clinic. Mondays, Wednesdays and Fridays, 1-4 P.M. 2 students for 1 month periods. Dr. Cilley.

P.H. PUBLIC HEALTH AND PREVENTIVE MEDICINE.

- I. Laboratory Methods and Procedures. Drs. Torrey and Kahn. Loomis Laboratory. Daily until 12 M., for 2 months. 1 student.

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U. UROLOGY.

- I. Minor Urology. Dr. Wilson, College Clinic. 1 month periods. Daily, 1-4 P.M. 8 students.
- II. Major Urology. Drs. Stevens and Jeck. Bellevue Hospital, Ward K4, 8:30 A.M. to 5 P.M., daily. Diagnosis and Treatment of Surgical Urological conditions. 1 month. 6 students.

N.B.—Courses I. and II. may be combined.

- III. Minor Urology and Elementary Cystoscopy. Dr. Wilson, as in Course I. 2 months, April and May. Daily, 2 to 4 P.M. 4 students.
- IV. Diagnosis and Treatment of Neoplasms of the Urinary and Male Genital Tracts. Dr. Barringer. Memorial Hospital. Subject to special arrangement with instructor.

M.J. MEDICAL JURISPRUDENCE.

- I. Course of lectures on Medico-legal relations of practice and forensic medicine. Dr. Schultze. April and May. Mondays and Wednesdays 4-5 P.M. Number of students not limited.

NOTE—In addition to the above, students will often be able to arrange individual work on application to the heads of Departments.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

SCHEDULE OF COURSES

FIRST YEAR—SESSION OF 1927-1928—FIRST TERM

September 27th to December 17th.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	A N A T O M Y					
10						
11						
1	Anatomy (Histology and Embryology)	Chem. L.	Anatomy (Histology and Embryology)	Chem. L.	Chem. R.	
2		Anatomy		Chem. Lab.	Anatomy (Histology and Embryology)	
3						
4		Military Science L.				
5						

FIRST YEAR—SESSION OF 1927-1928—SECOND TERM

January 3rd to March 10th.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	Anatomy (Histology and Embryology)				Anatomy (Histology and Embryology)	
10				Anatomy		
11						
1		Chem. L.	Anatomy	Chem. L.	Anatomy	
2	Anatomy					
3		Chem. Lab.		Chem. Lab.		
4			Military Science L.			

FIRST YEAR—SESSION 1927-1928—THIRD TERM

March 12th to May 26th.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	Chem. L.	Physiol. L.	Chem. L.	Physiol. L.		Physiol. L.
10					Chem. R.	
11	Chem. Lab.	Physiol. Lab.	Chem. Lab.	Physiol. Lab.	Physiol. Lect.	Physiol. Lab.
12						
2		Physiol. R.	Anatomy (Neuro-Anat.)	Physiol. R.	Anatomy (Neuro-Anat.)	
3	Anatomy (Neuro-Anat.)	Military Science L.				
4						

Abbreviations.—L., lectures; Lab., laboratory; Rec., recitations; Sec., section (the class being assigned to two or more divisions for certain exercises); B. H., Bellevue Hospital (Second Division); B. H. 4, Bellevue Hospital (Fourth Division); B. M. C., Berwind Maternity Clinic; C. D., College Dispensary; Man. Mat., Manhattan Maternity Hospital; Mem. H., Memorial Hospital; N. C., New York Nursery and Child's Hospital; N. Y., New York Hospital; O. P. D., Bellevue Hospital, Out Patient Department; R. & C., Hospital for the Ruptured and Crippled; St. L., St. Luke's Hospital; St. M., St. Mary's Hospital; W. I., Ward's Island, Manhattan State Hospital; W. P., Willard Parker Hospital.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

SECOND YEAR—SESSION OF 1927-1928—FIRST TERM

September 27th to December 17th

	Monday		Tuesday		Wednesday		Thursday		Friday		Saturday
9	Physiology Lect. †	Anatomy *	Physiology Lect. †	Pathology Lab.	Physiology Lect. †	Anatomy *	Physiology † Lect.	Physiology Lab.†	Physiology	Anatomy *	Surgery Clinic B. H.
10	Physiology Lab. †		Pathology Lab.		Physiology Lab.†		Pathological Anatomy		Physiology Lab.†		Surgery Rec.
11											
12											
1			Military Sci. Lect.** Prof. Allen								
2	Physiology Rec. †		Surgery Lect.	Physical Diagnosis Lect. and Demonstr.	Physiology Rec. †		Pathology Lab.		Physiology Seminar †		
3	Medicine Clinic N. Y. §				Medicine Clinic B.H. (Pathological Physiology)						Medicine Lect. (Path. Physiol.)
4											
5											

*Last three weeks only.

†First nine weeks only.

§First six weeks only.

**Elective.

SECOND YEAR—SESSION OF 1927-1928—SECOND TERM

January 3rd to March 10th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9		Sections (See Schedule I)	Pathology Laboratory	Sections (See Schedule I)	Pathology Laboratory	Sections (See Schedule I)
10	Pathology Laboratory					
11			Pathological Anatomy	Medicine Rec.		
12						
1		Military Sci. Lect.** Prof. Allen				
2	Bacteriology Laboratory*					
3	*Sections A-E alternate days beginning Tuesday, January 3-20. Inter- vening days 2-3 P.M. only. Full time January 23-March 10.					
4	Sections F-J similar schedules on opposite days beginning Tuesday, January 3.					
5						

**Elective.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 7:

SECOND YEAR—SESSION OF 1927-1928—THIRD TERM

March 12th to May 26th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9					Surgery Clinic, B. H.		9
10	Pharma- cology Laboratory	Surgery Clinic St. L.	Pathology Laboratory	Pharmacology Laboratory	Pathology Laboratory	Pathology Laboratory	10
11						Pathological Anatomy	11
12		Medicine Rec.					12
1	Medicine Clinic B. H.		Military* Science Lect. Prof. Allen	Urology Lect.	Dermatology Clinic		1
2	Sections { Bacteriology { A-E, Mch. 12-16 and Mch. 19-Apr. 20† F-J, Mch. 12-16 and Apr. 23-May 25 College Clinic { F-J, March 19-April 20 A-E, April 23-May 25						2
3							3
4		Ophthalmology Clinic					4
5							5

*Elective.

†No Bacteriology on Tuesdays.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 75.

THIRD YEAR—SESSION OF 1927-1928—FIRST TERM

September 27th to December 17th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Pathology Laboratory	Public Health Lab.	Medicine Lect. Prof. Conner	Public Health Lab.	Pathology Laboratory	Public Health Lab.	9
10			Medicine Rec.				10
11	Medical Clinic C. D.	Clinical Pathology				Obstetrics Rec.	11
12						Surgery Rec.	12
1							1
2	Public Health Field Excursion	Ophthalmology Clinic Prof. Samuels	Military† Science Prof. Allen	Orthopedic† Lect. Prof. Wallace	Pharmacology Prof. Hatcher		2
3		Pharmacology Lect. Prof. Hatcher		Pharmacology Lect. and Lab.	Dermatology Clinic Prof. Schwartz		3
4		Obstetrics Lect. Prof. Bailey		Rec.	Psychiatry Clinic Prof. Kirby		4
5							5

†Elective

THIRD YEAR—SESSION OF 1927-1928—SECOND TERM

January 3rd to March 10th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Surgery Lect. Prof. Gibson	Surgery Sections * St. L.	Medicine Lect. Prof. Conner	Pediatrics Clinic, N. & C. Prof. Schloss	Public Health Lect.	Urology Clinic B.H. Prof. Keyes	9
10	Pediatric Rec.		Medicine Rec.		Gynecology Lect. Prof. Ward		10
11	Operative Surgery	Surgery Sections * Mem. H.	Public Health Lect.	Psychiatry Clinic Prof. Kirby	Operative Surgery	Psychiatry Lect. Prof. Kirby	11
12			Military† Science Lect. Prof. Allen	Surgery Rec.		Surgery Rec.	12
1							1
2	S E C T I O N S (See Schedule III)						2
3							3
4	Roentgenology Lect. Prof. Imboden	Obstetrics Rec.	Dermatology Clinic Prof. Schwartz	Otology Lect. or Clinic Prof. Whiting	Neurology Clinic Prof. Kennedy		4
5							5

*Sections A to E take Surgery the first half term, Pathological Anatomy the second.

Sections F to J take Surgery the second half term, Pathological Anatomy the first. Sections change 9 A.M., Feb. 7, 1928.

†Elective.

For abbreviations see page 75.

THIRD YEAR—SESSION OF 1927-1928—THIRD TERM

March 12th to May 26th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Surgery Lect. Prof. Gibson	Psychiatry Clinic, W. I. Prof. Kirby	Public Health Lect.	Pediatrics Clinic, N. C. Prof. Schloss	Surgery Clinic, N. Y.	Military† Science Lect. Prof. Allen	9
10	Pediatrics Rec.		Medicine Rec.		Prof. Gibson	Public Health Lect.	10
11	Surgery Rec.		Medicine Clinic, C. D. Prof. Conner		Obstetrics Lect.	Psychiatry Lect. Prof. Kirby	11
12	Surgery Lect.		Therapeutics Prof. Goodridge		Surgery Rec.	12	
1							1
2	S E C T I O N S						2
3							(See Schedule III)						3
4	Roentgenology Lect. Prof. Imboden	Obstetrics Rec.		Laryngology Lect.	Neurology Lect. Prof. Kennedy		4
5							5

†Elective

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 75.

FOURTH YEAR—SESSION OF 1927-1928

September 27th, 1927 to March 24th, 1928.

	Medicine		Surgery		Neurology B. H. M. F. 2-5 P.M. Wed. 9-12 M.	Pediatrics N. C. Tu. Th. S. 9 A.M.- 1 P.M.	Orthopedics R.&C.M.— M. F. 9 A.M.-12 M. Wed. 2-5 P.M.	Obstetrics B. M. C. and Gynecology Wom. Hosp.	Electives† T. Th. S. 2-5 P.M.
	N. Y.	B. H.	N. Y.	B. H.					
September 27 to October 22	A	D	F	C	E	E	E	(See opposite page for assignments.)	E
October 24 to November 19	B	E	D	A	F	F	F		F
November 21 to December 17	C	F	E	B	D	D	D		D
January 3 to 28	D	A	C	F	B	B	B		B
January 30 to February 25	E	B	A	D	C	C	C		C
February 27 to March 24	F	C	B	E	A	A	A		A
March 26 to March 31	Examinations in all subjects.								

†Students desiring electives will first consult the head of department and then register at the Secretary's office four weeks in advance for Elective work on Tuesday, Thursday and Saturday P.M.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice. For abbreviations see page 75.

FOURTH YEAR SECTIONS in Gynecology and Obstetrics

Session of 1927-1928

	Obstetrics Section, B. M. C. full time*	Gynecology Section Wom. Hosp. 9 A.M.—5 P.M.
September 25th, 1927 to October 8th, 1927....	B ₂	B ₁
October 9th, 1927 to October 22nd, 1927....	B ₁	B ₂
October 23rd, 1927 to November 5th, 1927....	C ₂	C ₁
November 6th, 1927 to November 19th, 1927....	C ₁	C ₂
November 20th, 1927 to December 3rd, 1927....	A ₂	A ₁
December 4th, 1927 to December 17th, 1927....	A ₁	A ₂
December 18th, 1927 to January 1st, 1928....		
January 2nd, 1928 to January 14th, 1928....	E ₁	E ₂
January 15th, 1928 to January 28th, 1928....	E ₂	E ₁
January 29th, 1928 to February 11th, 1928....	F ₁	F ₂
February 12th, 1928 to February 25th, 1928....	F ₂	F ₁
February 26th, 1928 to March 10th, 1928....	D ₁	D ₂
March 11th, 1928 to March 24th, 1928....	D ₂	D ₁

*Students report at 9 A.M. on the first day of each assignment.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 75.

FOURTH YEAR—SESSION OF 1927-1928

April 2nd to May 26th, 1928.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9						
10						
11						
12						
1						
2						
3						
4						
5						

ELECTIVES

Students will register their courses at the College office on or before March 1st

(No course can be dropped without written permission from heads of all departments concerned, and the Dean.)

Students will take work in Pathological Anatomy (Autopsies) as posted on Bulletin Board.

Abbreviations.—L., lectures; Lab., laboratory; Rec., recitations; Sec., section (the class being assigned to two or more divisions for certain exercises); B. H., Bellevue Hospital (Second Division); B. H. 4, Bellevue Hospital (Fourth Division); B. M. C., Berwind Maternity Clinic; C. D., College Dispensary; H. S., Hudson Street House of Relief; Man. Mat., Manhattan Maternity Hospital; N. C., New York Nursery and Child's Hospital; N. I., Neurological Institute; N. Y., New York Hospital; O. P. D., Bellevue Hospital, Out Patient Department; Recn. H., Reconstruction Hospital; R. & C., Hospital for the Ruptured and Crippled; St. L., St. Luke's Hospital; St. M., St. Mary's Hospital; W. I., Ward's Island, Manhattan State Hospital; W. P., Willard Parker Hospital.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

DETAIL SCHEDULE OF SECOND AND THIRD YEARS SECTION CLASSES

SESSION OF 1927-1928

NOTE—Section periods in each instance include both dates. Sections are designated by letters a figure following indicates a half section.

Section Schedule I.

SECOND YEAR—SECOND TERM—JANUARY 3rd TO MARCH 10th, 1928

"Hospital Sections"	Jan. 3-19	Jan. 21—Feb. 4	Feb. 7-23	Feb. 25—Mar. 10
Surgery, 9-10.30 A.M. Tues. & Sat., B.H.; Thur., St.M.	A B C ₁	C ₂ D E	F G H ₁	H ₂ I J
Medicine, 9-11 A.M. Tues., Thur. & Sat., B.H.	C ₂ D E	F G H ₁	H ₂ I J	A B C ₁
Medicine, 9-11 A.M. Tues., Thur. & Sat., N. Y.	F G H ₁	H ₂ I J	A B C ₁	C ₂ D E
Medicine, 9-11 A.M. Tues., Thur. & Sat., B.H. IV	H ₂ I J	A B C ₁	C ₂ D E	F G H ₁

The numerals 1 or 2 after a section letter indicate the 1st or 2d half section.

Section Schedule II

SECOND YEAR—THIRD TERM—MARCH 12th TO MAY 26th, 1928

"Cornell Clinic Sections"		Monday 2.30-4.30 P.M.	Tuesday 2-4 P.M.	Wednesday 2-4 P.M.	Thursday 2-4 P.M.	Friday 2-4 P.M.
Dermatology	March 19—April 29	F	G	H	I	J
	April 23—May 25	A	B	C	D	E
Laryngology	March 19—April 20	J	F	G	H	I
	April 23—May 25	E	A	B	C	D
Urology	March 19—April 20	I	J	F	G	H
	April 23—May 25	D	E	A	B	C
Ophthalmology	March 19—April 20		H-I		J-F	G
	April 23—May 25		C-D		E-A	B
Roentgenology	March 19—April 25		G-H F†	I-J		
	April 23—May 25		A† B-C	D-E		

†Tues. 5-6 P.M.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 75

SECTION SCHEDULE III
THIRD YEAR—SECOND AND THIRD TERMS
January 3rd to May 26, 1928

Term II, Jan. 3—Mar. 10						Term III, Mar. 12—May 26				
	Mon.	Tues.	Wed.	Thurs.	Fri.	Mon.	Tues.	Wed.	Thurs.	Fri.
Medicine, C.D., 2-4 P.M.	A	B	C	D	E	F	G	H	I	J
Dermatology, C.D., 2-3 P.M.	B	C	D	E	A	G	H	I	J	F
Laryngology, C. D., 3-4 P.M.	B	C	D	E	A	G	H	I	J	F
Pediatrics N.C., 1.30-3.30 P.M.	C	D	E	A	B	H	I	J	F	G
Obstetrics, (Manikin Sec.) 3-4 P.M.	D J		A		C G	I E		F		H B
Gynecology, C.D., 2-4 P.M.*	E ₁ E ₂	A ₁ A ₂	B ₁ B ₂	C ₁ C ₂	D ₁ D ₂	J ₁ J ₂	F ₁ F ₂	G ₁ G ₂	H ₁ H ₂	I ₁ I ₂
Orthopedics, C.D., 2-4 P.M.*	E ₂ E ₁	A ₂ A ₁	B ₂ B ₁	C ₂ C ₁	D ₂ D ₁	J ₂ J ₁	F ₂ F ₁	G ₂ G ₁	H ₂ H ₁	I ₂ I ₁
Otology, C.D., 2-3 P.M. (5 times only, beginning Jan. 23 and April 2.	D	E	A	B	C	I	J	F	G	H
Obstetrics, B. H. (or Man. Mat.)† 2-4 P.M.	G H		I J		F	B C		D E		A
Pediatrics, W. P. 1.45 to 3.45 P.M.‡		G I		F H J			B C		A D E	
Roentgenology, 1.30-2.30 P.M.	I J F ₁		F ₂ G H			D E A ₁		A ₂ B C		

*Each half section takes 5 weeks only—Sections change at 9 A.M., Feb. 6th and April 16, 1928.

†Two sections at one time on Mondays and Wednesdays.

‡First three exercises at the College, thereafter at W. P. Hospital.

Sections G, I, F, H and J report at the College Thursdays only Jan. 3 to 23rd, thereafter at W. P. Hospital, G and I on Tuesdays, F, H and J on Thursdays, as scheduled.

Similarly sections B, C, A, D and E report at the College Thursdays only, March 12 to April 2; thereafter at W. P. Hospital B and C on Tuesdays, A, D and E on Thursdays, as scheduled.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 75.

EXAMINATIONS AND ADVANCEMENT IN COURSE.

I. Advancement.—Students are advanced in course from one year to the next upon recommendation by heads of departments after examination in the work of that year, but examinations may, at the discretion of the Head of the Department, include all the work previously covered in the year or years preceding the examination in question. There is, however, no unnecessary repetition of subjects taught from year to year.

II. Examinations.—Examinations for advancement in course, graduation and admission to advanced standing are held at the close of the year, except that in each course extending through a part of the year only, the examination may be held at the close of the course.

A grade of 75 per cent. is required to pass; a student failing to pass is either conditioned or dropped (see subjects of examinations, etc., pages 85 to 86).

A conditioned student may be re-examined in September. A student who has been conditioned and has failed on re-examination shall be automatically dropped from the College.

A dropped student shall not be re-examined nor shall he be re-admitted to this College.

III. Record of Grades.—At the completion of a final examination at the end of a course the grades of each student are to be promptly compiled and submitted by the examiner to the College office for record by the Secretary, and grades once recorded are not subject to change except in accordance with the rules governing re-examination (See II.).

IV. Final Examinations.—Annual examinations are held at the end of a course, or coincident group of courses, in the hours allotted to said courses, or during the last week of the session, at the discretion of the head of the department, who will give notice of the date of examination through the office of the Secretary. All such final examinations are conducted under the direction of the head of the Department

Subjects of Examination for Completion of the First Year.

- *Anatomy.
- Physiology.
- *Chemistry (including laboratory work).
- *Histology and Embryology.
- *Neuro-Anatomy.
- Military Science.

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Conditions allowed: Not more than 40% of required hours (see table, page 96).

NOTE—All conditions must be successfully passed before entrance into the next succeeding year will be allowed.

Subjects of Examination for Completion of the Second Year.

- *Physiology and Nutrition.
- Pathology.
- *Bacteriology.
- Medicine.
- Surgery.
- *Anatomy.
- *Pathological Anatomy.

Conditions allowed: Not more than 30% of required hours (see table, page 96).

(See note above.)

Subjects of Examination for Completion of the Third Year.

- *Pathology.
- *Obstetrics.
- Medicine.
- Surgery.
- *Pharmacology.
- Therapeutics.
- *Clinical Pathology.
- Pediatrics.
- Hygiene.
- Neurology.
- *Urology.
- *Otology.
- Ophthalmology.
- *Laryngology and Rhinology.
- *Dermatology.
- Psychiatry.

Conditions allowed: Not more than 30% of required hours (see table, page 96).

(See note above.)

Subjects of Examination for Completion of the Fourth Year and Graduation.

- Medicine.
- Surgery.
- Pediatrics.
- Neurology.
- Orthopedic Surgery.*
- Gynecology.

Conditions allowed:—

*In the subjects thus marked the examination is given at the end of the course, under the direction of the head of the department. In other subjects the final examination is at the end of the year.

EXAMINATIONS AND ADVANCEMENT IN COURSE

If any student fails to pass in not more than 30% of the required hours (see table, page 96), a re-examination in those subjects may be allowed, and if the candidate is then successful the degree may be conferred.

REQUIREMENTS FOR GRADUATION.

1. Candidates for the degree of doctor of medicine must have studied medicine for four full years in an accredited medical college, and the fourth year at least must have been spent in the Cornell University Medical College.
2. Candidates must present satisfactory evidence of good moral character and of being not less than twenty-one years of age.
3. Candidates must file with the Secretary of the Faculty satisfactory evidence of having complied with the entrance requirements (see page 28), together with the requisite legal medical student certificate.

NOTE—This certificate is issued by the Department of Education of the State of New York on presentation of required credits and a diploma from a recognized College or University or properly attested certificate showing that such a diploma has been granted, together with a fee of one dollar. If the student so requests, the Secretary of the Faculty may forward such diploma or certificate to the Department of Education of the State of New York with a request for the legal student certificate.

4. Candidates must have dissected at least one lateral half of the cadaver. They must, further, have taken the regular course of two weeks in practical obstetrics, and a certificate* covering this course must be filed at the Secretary's office before registration for the final examinations, which begin about the last week of May.

5. In addition to the yearly examinations above specified for advancement in course, candidates must pass during the fourth year examinations in medicine, surgery, pediatrics, neurology, orthopedic surgery and gynecology.

6. Candidates rejected at the final examination will not be re-examined until after having repeated the fourth year of study.

Before being readmitted to the fourth year the candidate may be required to pass a satisfactory examination in anatomy, physiology, chemistry, and the subjects of the preceding years.

7. The degree will not be conferred upon any candidate who absents himself from the public Commencement without the special permission of the Faculty.

8. The Faculty reserves the right to terminate the connection of any student with the institution *at any time* on the ground of what they may deem moral or mental unfitness for the profession, or improper conduct while connected with the College.

*This certificate must set forth the number of obstetrical cases personally attended by the student.

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DIPLOMAS OF LICENTIATE OF THE ROYAL COLLEGE OF PHYSICIANS OF LONDON AND MEMBERSHIP OF THE ROYAL COLLEGE OF SURGEONS OF ENGLAND.

Graduates of the Cornell University Medical College are admitted to the final examinations for diploma of Licentiate of the Royal College of Physicians of London and Membership of the Royal College of Surgeons of England, upon presenting proper certificates that certain conditions applicable to the foreign universities and colleges, which are recognized by the examining board, have been complied with.

Further information may be obtained from the Secretary of the Board (Mr. F. G. Hallet) at the Examination Hall, Queen's Square, Bloomsbury, London, W. C.

Prizes.

I. For general efficiency.

In commemoration of John Metcalfe Polk, an Instructor in this College, who was graduated from the Medical Department of Cornell University on June 7, 1899, and died on March 29, 1904, an annual prize of \$500 will be presented at each Commencement to the members of the Graduating Class who have pursued the full course of study in Cornell University Medical College.

This prize will be awarded as follows:

To the student having the highest standing \$300

To the student having the second highest standing 125

To the student having the third highest standing 75

II. For efficiency in Gynecology.

In memory of William M. Polk, M.D., LL.D., Dean and Professor of Gynecology in Cornell University Medical College from its establishment in 1898 until his death, June 23, 1918, an annual prize, established by Mrs. Polk, of \$250, to the three members of the Senior Class in order of merit, for obtaining especial distinction in the Department of Gynecology.

This prize will be awarded as follows:

To the student attaining the highest distinction \$125

To the student attaining the second highest distinction 75

To the student attaining the third highest distinction 50

III. For efficiency in Otology.

Two prizes, the first of \$50, the second of \$25, are offered by Professor Whiting to the two students of the graduating class to be designated by him who make the best records in the practical and theoretical work in Otology.

IV. For efficiency in Obstetrics.

Two prizes, the first of \$75, the second of \$25, have been endowed by an anonymous donor in recognition of the work of Dr. Gustav Seeligman in Obstetrics, to be given to the two students in the graduating class who have made the best records in the practical and theoretical work in Obstetrics.

V. For efficiency in General Medicine.

The income of \$1,000 is offered as a prize for general efficiency in the Department of Medicine, to be known as the Alfred Moritz Michaelis prize in General Medicine, in commemoration of Alfred Moritz Michaelis, who was graduated from the Medical Department of Cornell University on June

EXAMINATIONS AND ADVANCEMENT IN COURSE

11, 1925, and who died during his internship at Mt. Sinai Hospital, April 24, 1926, to be presented at each Commencement to a member of the Graduating Class who has pursued the full course at Cornell University Medical College.

Scholarship.

1. The John Metcalfe Polk Scholarship, a gift under the will of William Mecklenberg Polk, former Dean, to be expended as a Scholarship in the Medical College. The income amounts to two hundred and fifty dollars (\$250) annually.

Hospital Appointments.—Members of the graduating class of Cornell University Medical College are nominated for appointment to the staff of internes in the Cornell division of Bellevue and the New York Hospitals in accordance with the following general plan:

1. The list of available positions having been posted, members of the graduating class make application for such services as they desire, naming not less than two choices, and agreeing to accept the position if offered.
2. A committee of the faculty determine the appointments from the list of candidates, basing the determination upon—
 - a. The student's standing during his first three years in Medical College:
 - b. The quality of his work in the hospital ward:
 - c. Personality and general fitness for the position desired.

The nominations thus made are subject to confirmation by the faculty of the Medical College and by the hospital. The faculty expressly reserve the right to alter the method of appointment in any or all particulars, at any time, and without notice.

The students and graduates of the Cornell University Medical College are also expected to compete for positions on the resident staff of the other hospitals of the city.

Some of these hospitals are: The City, Harlem, Gouverneur, Roosevelt, Fordham, St. Luke's, St. Vincent's, St. Francis', Mount Sinai, Lenox Hill, Lebanon, Lincoln, New York Eye and Ear Infirmary, and the many hospitals in Brooklyn, Jersey City, Newark, Paterson, etc.

The requirements, the times of examination, and the period of service differ. The details can be learned by application, written or in person, to the superintendents or to the secretaries of the medical boards of the various hospitals.

A record of the hospital appointments received by the graduating class is shown in the list of Graduates preceding the Student Register at the end of the Announcement.

The Alpha Omega Alpha, an honorary medical society, has maintained a chapter in this College since 1910. The members are elected by the membership of the society on nomination from the College Office. Nominations include only those who have for three years made a scholarship average

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of not less than 85 per cent. Not more than one-sixth of each class is eligible for election. The membership from the Class of 1927 is as follows:

Maurice Marshall Berck	Isabel Marion London
Francis Michael Conway	Rose Spiegel
Hilda Chaffee Crosby	Mossey Sussman
Milton Kissin	Reuben Turner
Herbert M. Klein	Joseph Waxelbaum
Samuel Harold Klein	Isidore Charles Zuckerman

The Vesalian Society is a students' organization which arose from a series of Anatomical Journal Clubs started about 1910. The anatomical Journal Club has been confined to the first year class and the Vesalian Society became the means of continuing the consideration of scientific literature by a group of interested students in the upper classes. The Society now maintains a Journal Club in each College class, with admittance to membership on the basis of effective scholarship. In addition to the class meetings there are meetings open to the public which are addressed by undergraduates and by invited guests. The purpose of the Society is to stimulate an active interest in the broader aspects of the medical sciences, to promote a fraternal spirit in and between the College classes, and to promote co-operation between undergraduates and alumni.

COURSES FOR GRADUATES.

For some years special courses have been offered in several of the departments, and they have been, from time to time, pursued by graduates in medicine, teachers and advanced students and research workers in the medical sciences. For the benefit of such applicants these courses have been compiled, and are listed below under the several departments by which they are offered. For a list of the teaching staff the reader is referred to the detailed statement of the several departments contained in pages 35 to 67 of this announcement.

The courses offered below with the exceptions indicated are minor courses continuing six to eight weeks. Several departments are equipped to offer co-ordinated work extending over longer periods, and such courses can be arranged for the student by consultation with the head of the department.

In general it is recommended that students applying for admission to graduate courses so far as possible arrange to take consecutive work for a period of at least one College session. Such courses will be under the immediate supervision of an instructor from the department in which the greater portion of the student's work is performed.

The faculty reserve the right to limit the number of applicants received and to alter or withdraw courses at any time without notice.

ADMISSION.

Graduates in Medicine, Arts or Science, from approved colleges, who desire to pursue courses not leading to a degree, are admitted to registration as graduate students, after approval by the head of the department. Such courses do not count in any way as a part of the four years' course

COURSES FOR GRADUATES

required of candidates for the degree of doctor in medicine. All students or other workers pursuing courses indicated below are required to register at the office of the Secretary.

FEES.

Graduate students are admitted to any of the courses of instruction offered on the payment of a registration fee of ten dollars, an administration fee of five dollars and the tuition fee assigned to the course (see below). Those who have been previously registered as students in the Cornell University Medical College are not required to pay the registration fee.

In the courses outlined below, those marked with an * may be begun at any time during the session.

ANATOMY.

1. Embryology.—Terms I and II. September to March. Fee \$50. Details on page 35.

2.* Histological Technic.—Laboratory at least three hours daily and conferences with instructors. Fee \$30.

3 and 4. General Histology, Microscopical Anatomy.—Terms I and II. September to March. Details on page 35. Fee \$50.

5.* Dissection.—See Courses I-V, page 36. Fee \$30 per term (ten weeks); or for the entire dissection, \$50.

6. Neuro-Anatomy.—Term III. March to May. Details on page 36. Fee \$30.

7.* Anatomical Research.—Subject to special arrangement with head of department.

PHYSIOLOGY.

1. Physiology.—Begins with Term III in March and continues in Term I of the following session. Details on page 39. Fee \$50.

2.* Physiological Research.—Subject to special arrangement with head of department.

CHEMISTRY.

1.* Physical Chemistry as applied to Medicine.—Eleven weeks, two lectures, one laboratory period. Fee \$25.

2.* Physiological Chemistry.—Two terms, of ten and eleven weeks each. Two lectures and two laboratory periods each week. Fee \$25 per term.

3.* Chemical Pathology.—A practical course in methods of blood analysis. Two three hour periods a week for one month. Fee \$25.

4.* Research Work in Physiological Chemistry, Chemical Pathology, or Toxicology.—Hours and fee to be arranged with each student.

Note.—Courses in this department are subject to special arrangement with head of department. Special students in this department must present satisfactory evidence of preliminary training in inorganic chemistry with laboratory work as outlined on page 28.

CORNELL UNIVERSITY MEDICAL COLLEGE

PHARMACOLOGY.

- 1.* Laboratory Pharmacology, under supervision and including conferences with instructor. Fee \$25.
- 2.* Research Work in Pharmacology.

MEDICINE.

1. Applied Immunology. (See Bacteriology.)
2. Advanced Course in Metabolism Methods. (See page 69.)

CLINICAL PATHOLOGY.

1. Laboratory Diagnosis.—Elementary and advanced instruction is offered in all the tests commonly performed in a clinical laboratory. The time the course is given and the fee are to be arranged with Professor Thro.

PATHOLOGY.

- 1.* Gynecological Pathology. Dr. L'Esperance. Six hours or more weekly for about one month. Class is limited to ten students. Fee \$50.
- 2.* Special courses in tumor diagnosis are open to graduate students in the College Laboratory and in the Memorial Hospital at times to meet the convenience of applicants. Fee to be arranged with instructor.
- 3.* Neuro-pathology. Dr. Stevenson. Hours to be arranged. Class limited to five students. Fee \$50.

BACTERIOLOGY.

1. Applied Immunology. Drs. Coca and Cooke. Clinical work at the New York Hospital with the collaboration of the Department of Medicine. Laboratory Course at the New York Hospital: the entire month of June five mornings and four afternoons a week. Fee \$205.

The laboratory course includes: the demonstration of the principal phenomena of anaphylaxis in the guinea pig and the rabbit, with a discussion of the relation of anaphylaxis to human hypersensitiveness; the methods of preparing and standardizing the fluid extracts and solutions used in the diagnosis and treatment of asthma and hay fever; and the methods of collecting and preserving pollens that are the excitants of seasonal hay fever and asthma.

Any of the clinical applications of immunological principles (such as blood matching, the Schick and Dick tests, the forensic identification of human blood) will be demonstrated on request. Graduate students have access to the laboratory at any time during the day.

The clinical course consists of demonstrations in the Dispensary of the New York Hospital, at the asthma and hay fever clinic, four afternoons

COURSES FOR GRADUATES

weekly. Each individual has ample opportunity to become thoroughly acquainted with the methods of diagnosis and treatment of these and allied conditions.

Applications for this Course should be made before May 1st.

NEUROLOGY.

1. **Neuro-anatomy and Neuro-pathology.**—See Departments of Anatomy and Pathology. The student must present satisfactory evidence of an adequate knowledge of general histology. Fee \$25 in each department.

3.* **Clinical Neurology.**—Includes study of ambulatory and ward cases, with medical and electrical therapeutics. Two hours daily for two months. Should be preceded by Courses 1 or its equivalent. Fee \$50.

4.* **Psycho-therapeutics.**—Twice weekly for eight weeks. Should be preceded or taken in conjunction with Course 3. Fee \$25.

DERMATOLOGY.

1.* **Clinical Dermatology.**—Ambulatory cases. Thrice weekly for four weeks. 2-3 P.M. Fee \$50.

2.* **Histopathology of the skin and its diseases.** Twice weekly for six weeks. Class of two to five students. Fee \$100.

LARYNGOLOGY AND RHINOLOGY.

1.* **Clinical Laryngology.**—Course of 15 lessons on diagnosis and therapeutics, including operative procedures and clinics on tonsillectomy and bronchoscopy at option of student. 2 to 4 P.M., Nov. 28 to Dec. 16, 1927, or June 11 to 29, 1928. Six students. Fee \$25.00.

UROLOGY.

Clinical Urology. Dr. Wilson. Ambulatory cases, including Endoscopy and Cystoscopy. Thrice weekly for four weeks. Fee \$50.00.

OPHTHALMOLOGY.

1.* **Ophthalmoscopy.** 20 hours. Fee \$25.

2.* **External Diseases of the Eye.** 20 hours. Fee \$25.

3.* **Diseases of the Eye Muscles.** 15 hours. Fee \$20.

4.* **Refraction and Retinoscopy.** 20 hours. Fee \$25.

5.* **Simulation of Amblyopia and Amaurosis.** 5 hours. Fee \$20.

6.* **Clinical Ophthalmology.** Daily 2-3 P.M. Fee per month, \$25.

7.* **Ophthalmic Operation on the Cadaver.** (This course is given in co-operation with the Department of Anatomy.) 20 hours. Fee \$50.

8.* **Pathological Histology of the Eye.**—(This course is given in co-operation with the Department of Pathology and must be applied for in advance.) 20 hours. Fee \$50.

9.* **Slit-lamp Microscopy.** 20 hours. Fee \$50.

CORNELL UNIVERSITY MEDICAL COLLEGE

THE GRADUATE SCHOOL.

The Faculty of the Graduate School has control of graduate work in all departments of Cornell University and exclusive jurisdiction over the granting of all advanced degrees. Certain professors in the scientific departments of the Medical College in New York City offer graduate instruction as an integral part of the Graduate School of Cornell University. Properly qualified students may accordingly enter upon graduate work in New York City under the jurisdiction of professors in these departments and may become candidates for advanced degrees under the same conditions as apply to students in other divisions of the Graduate School. In all cases, such students are required to register each term at the Office of the Dean of the Graduate School, Cornell University, Ithaca, N. Y. A copy of the Announcement of the Graduate School, giving the rules and regulations pertaining to advanced degrees and the list of departments and subjects in which graduate instruction is offered, will be sent on application to the Dean.

Graduates of the following colleges of the University, namely, the College of Arts and Sciences, the Medical College, the College of Architecture, the College of Engineering, and the New York State Colleges of Agriculture, Home Economics and Veterinary Medicine,—or of other institutions in which the requirements for the first degree are substantially equivalent,—are eligible for admission to the Graduate School. In other cases, studies pursued after graduation, and experience gained by professional work or otherwise are taken into consideration in deciding whether the candidate's preparation as a whole is such as to justify his admission to the Graduate School.

Graduate students resident in New York City and working under the direction of members of the Faculty connected with the Cornell Medical College are students in the Graduate School of Cornell University, and as candidates for an advanced degree are subject to all the regulations laid down by the Faculty of the Graduate School. The members of the Medical College who give instruction to graduate students constitute Group F of the Faculty of the Graduate School, and the Chairman of this Group, Professor C. R. Stockard, is a member of the General Committee of this Faculty. Graduate students in New York City are advised to acquaint themselves with the rules and regulations of the Graduate School as set down in the Announcement, and to correspond directly with the Office of the Dean of the Graduate School in Ithaca. Professor Stockard, as Chairman of Group F, will be willing to advise with graduate students in New York in regard to the details of their graduate work and plans for candidacy. Copies of the Announcement and various official forms used by the Graduate School may also be obtained from Professor Stockard.

Fees.

A Matriculation Fee of \$10.00 is required of every student upon entrance into the University. It must be paid at the time of registration.

A Tuition Fee of \$75.00 for the academic year is to be paid by all students registered in the Graduate School.

COURSES FOR GRADUATES

An Administration Fee of \$25.00 is to be paid by all students registered in the Graduate School.

A Graduation Fee of \$20.00 is required, at least ten days before the degree is to be conferred, of every candidate for an advanced degree. The Fee will be returned if the degree is not conferred.

Certain classes of students are exempt from payment of the tuition fee. They are:

(1) Graduate students holding appointments as University Fellows or Graduate Scholars.

(2) Graduate students holding appointments as assistants and instructors and having their major studies in the college or line of work in which they are instructing, are exempt only from the payment of tuition fees in the department in which they are employed to give instruction; members of the instructing staff who take work for which they must pay tuition are required to pay in proportion to the amount of work for which they are registered.

CORNELL UNIVERSITY MEDICAL COLLEGE

SCHEDULE OF REQUIRED COURSES AND
ALLOTTED HOURS.

COURSE	HOURS			
	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Fourth Year</i>
ANATOMY				
Histology and Embryology....	258	...	...	...
Gross Anatomy	350	...	...	...
Neuro-Anatomy	88	...	...	...
Typographical Anatomy .....	...	36	...	...
PHYSIOLOGY	165	153	...	...
CHEMISTRY	239	...	...	...
PHARMACOLOGY .....	...	66	44	...
PATHOLOGY .....	...	195	48	...
Pathological Anatomy .....	...	66	10	...
BACTERIOLOGY .....	...	210	...	...
MEDICINE .....	...	159	100	312
Therapeutics .....	...	...	11	...
Clinical Pathology .....	...	...	96	...
SURGERY .....	...	100	157	312
OBSTETRICS .....	...	...	86	98
GYNECOLOGY .....	...	...	20	102
PEDIATRICS .....	...	...	92	108
NEUROLOGY .....	...	...	21	36
PSYCHIATRY .....	...	...	65	...
UROLOGY .....	...	21	20	...
DERMATOLOGY .....	...	21	32	...
LARYNGOLOGY & RHINOLOGY .	...	10	32	...
OPHTHALMOLOGY .....	...	31	12	...
OTOLOGY .....	...	...	15	...
ORTHOPEDIC SURGERY .....	...	...	22	36
ROENTGENOLOGY .....	...	10	31	...
HYGIENE .....	...	...	150	...
MILITARY SCIENCE	30	...	...	...
ELECTIVES .....	...	...	...	240
TOTALS	1130	1078	1064	1244

GRAND TOTAL—4516 Hours.

ITHACA DIVISION

FACULTY OF MEDICINE AT ITHACA.

- LIVINGSTON FARRAND, A.M., M.D., LL.D.,
President.
- ABRAM TUCKER KERR, B.S., M.D.,
*Secretary of the Medical College at Ithaca,
Professor of Anatomy.*
- SIMON HENRY GAGE, B.S.,
Professor of Histology and Embryology, Emeritus.
- BENJAMIN FREEMAN KINGSBURY, PH.D., M.D.,
Professor of Histology and Embryology.
- JAMES BATCHELLOR SUMNER, A.M., PH.D.,
Assistant Professor of Biochemistry.
- JAMES WENCELAS PAPEZ, A.B., M.D.,
Assistant Professor of Anatomy and Neurology.
- HOWARD BERNHARDT ADELMANN, A.M., PH.D.,
Assistant Professor of Histology and Embryology.
- HOWARD S. LIDDELL, M.A., PH.D.,
Assistant Professor of Physiology.
- JOSEPH ALMA DYE, A.B., PH.D.,
Assistant Professor of Physiology.
- GEORGE H. MAUGHAN, A.M.,
Instructor in Physiology.
- EARL O. BUTCHER, A.B.,
Instructor in Histology and Embryology.
- ALLEN D. KELLER, B.S.,
Instructor in Physiology.
- ETHEL D. SIMPSON, A.M.,
Instructor in Physiology and Biochemistry.
- JULIA E. ROTHERMEL, A.M.,
Instructor in Histology and Embryology.
- DUNCAN C. WHITEHEAD, A.B.,
Instructor in Anatomy.
- J. LUIDENS WIERDA, A.B.,
Instructor in Anatomy.
- FISK W. S. SCUDDER, A.B.,
Instructor in Histology and Embryology.
- DAVID B. HAND, A.B.,
Instructor in Bio-chemistry.
- LLOYD H. BOLTON, A.M.,
Assistant in Histology and Embryology.
- S. PRYOR PICKERING, A.B.,
Assistant in Anatomy.

CORNELL UNIVERSITY MEDICAL COLLEGE

INSTRUCTION AT ITHACA.

DURING THE FIRST YEAR OF THE COURSE.

CALENDAR FOR ITHACA.

First Term, 1928-1929.

September 24, 25.	Monday and Tuesday—Registration and assignment of New Students.
September 25, 26.	Tuesday and Wednesday—Registration and assignment of Old Students.
September 27.	Thursday—Instruction begins.
November 28.	Wednesday—Instruction ends at 6 P.M.
December 3.	Monday—Instruction resumed at 8 A.M.
December 22.	Saturday—Instruction ends at 6 P.M.
January 7.	Monday—Instruction resumed at 8 A.M.
January 11.	Friday—Founder's Day.
January 28.	Monday—Term examinations begin.
February 6.	Wednesday—Term examinations end; first term closes.

Second Term.

February 8.	Friday—Registration for the second term.
February 11.	Monday—Instruction begins at 8 A.M.
March 30 .	Saturday—Instruction ends at 1 P.M. (Spring recess).
April 8.	Monday—Instruction resumed at 8 A.M.
May 25.	Saturday—Spring and Navy Day.
June 3.	Monday—Final examinations begin.
June 11.	Tuesday—Final examinations end.

General Statement.

From its foundation Cornell University has offered special courses for students preparing for the study of Medicine; first in the Natural History course, and later also in a special two-year Medical Preparatory course. In 1898 the Medical College was established in New York City with a four years' course. At the same time the work of the first two years was duplicated at the University in Ithaca, since many of the fundamental scientific subjects of which this part of the course mainly consists were already provided for in the long-established departments of Botany, Zoology, Comparative Anatomy, Physics, Chemistry, Physiology, Histology, Embryology, and Bacteriology. The courses in these departments were modified where necessary and additional courses were added so as to make the work at Ithaca equivalent to the first two years in New York City. In 1908, the work of the second year was discontinued at Ithaca.

Other Colleges of the University.—Among the facilities of the University of special value to the Medical College may be mentioned the museums of Vertebrate and Invertebrate Zoology (including Entomology and Comparative Anatomy), of Agriculture, of Botany, of Geology, and of Veterinary Medicine. The University Library, with its 742,723 volumes and pamphlets, and over 2,000 current periodicals and transactions, is as freely open to medical students as to other University students.

ITHACA DIVISION

Stimson Hall. This is a modern and thoroughly equipped laboratory building erected for the Medical College at Ithaca in 1902. It was made possible through the generosity of the late Dean Sage of Albany and named at his desire Stimson Hall in recognition of the services rendered by Dr. Lewis A. Stimson toward the establishment of the Medical College. The building was especially designed for teaching and research in anatomy, histology, embryology, and physiology. The building is constructed of Ohio sandstone. The general form is that of an E, 157 feet long and 50 feet wide with wings 40 feet square.

In the cellar are the cold-storage, embalming, cremating rooms and store-rooms. In the sub-basement at the west end is a large room for the string galvanometer and the accessory dark rooms.

In the basement are the ventilating and cold-storage machinery, a large lecture room, a research room, and an advanced laboratory for histology, besides the lower part of the large amphitheatre. Here also is located the operating room for the department of physiology.

On the first floor are located the coat rooms for men and women, college office, library, reading room, faculty room, and histology and embryology research laboratory, general laboratory for experimental physiology, demonstration, metabolism and dark room for physiology, and the upper part of the large amphitheatre.

On the second floor is the department of histology and embryology with a large general laboratory, a research laboratory, preparation rooms, and private laboratories for the instructors. Upon this floor also is located the department of Physiology with a large general laboratory for biochemistry, research laboratories for biochemistry, a research laboratory for experimental physiology, an incubator room, repair shop and private laboratories for the instructors.

The third floor consists of the general and special dissecting rooms for gross anatomy and neurology, study rooms, and amphitheatre, besides rooms for the instructors.

The attic is utilized for photography, macerating the skeletons, and for storage.

The air in the building is constantly changed by forced ventilation. The lighting is especially good in all the rooms.

In the court behind the building is a house for alcohol and inflammables and provision for experimental animals, including a small animal house. A large animal house is located at some distance from the medical building on the Physiology Field Station.

The Van Cleef Memorial Library. Located in Stimson Hall, this library, endowed by Mr. Mynderse VanCleaf in honor of his brother, Dr. Charles VanCleaf, supplements the extensive facilities of the University Library by a steadily growing collection of reference works and periodicals of importance for the work of instruction and research conducted in Stimson Hall. The library room is lighted by indirect overhead light, and the reading desks are provided with day-lite lamp fixtures.

CORNELL UNIVERSITY MEDICAL COLLEGE

Experimental Field Station. A recent and important adjunct to the Department of Physiology is an Experimental Field Station which consists of nine acres situated in the open country about two miles from the Medical College. In this fenced field a barn for the accommodation of large animals such as sheep and goats, and proper houses with runs for small animals have been provided. In such a station animals under observation in feeding and nutrition experiments, for example, may be kept under ideal conditions for long periods of time. Communication between the station and the laboratory is maintained by a motor truck belonging to the department.

The Sarah Manning Sage Research Fund. As a recognition of the importance of the research side of university work, and as a timely and generous gift, there came in 1916 a bequest of \$50,000 by the will of Sarah Manning Sage, widow of Dean Sage, the donor of Stimson Hall. The income of this sum, or in the discretion of the University the principal also, shall be used to promote the advancement of medical science by the prosecution of research in the Cornell University Medical College at Ithaca, in connection with any and all subjects at any time embraced in the curriculum.

DEPARTMENTS, METHODS, AND FACILITIES.
ANATOMY.

ABRAM T. KERR, B.S., M.D., *Professor.*

JAMES W. PAPEZ, A.B., M.D., *Assistant Professor of Anatomy and Neurology.*

DUNCAN C. WHITEHEAD, A.B., *Instructor.*

J. LUIDENS WIERDA, A.B., *Instructor.*

S. PRYOR PICKERING, A.B., *Assistant.*

The courses in anatomy are designed to provide a comprehensive and detailed study of the structure of the human body.

The work in gross anatomy is mostly concentrated in the first term of the first year. The laboratory is open from eight to five on week days, except Saturday. Twenty-eight hours a week are allowed for the required work in the first term and four hours a week in the second term. Students who have additional hours free may devote more time to the subject. The work consists mainly of dissection followed by recitation on the part dissected. For this work there is an ample supply of dissecting material well embalmed and kept in cold storage ready for use. Each student is required to do a clean and careful dissection of a lateral half of the body. The regional method of dissection is followed. The student is furnished a systematic laboratory outline so arranged where possible that the structures in each region can be studied together as a topographic, functional or surgical area. It is realized that no one method or point of view is sufficient or applicable to every region. The purpose throughout is to make the student find and identify every structure, to appreciate its functional significance, its relations and its peculiar characteristics, to assemble details into general concepts, to visualize and interpret every region and organ. The aim is to direct the student to work methodically, to observe carefully and to think clearly and independently. He is encouraged to make careful notes and as many drawings as time permits. Where feasible, he is taught to compare his findings on the cadaver with conditions in the living body. An X-ray outfit in the department makes it possible in many regions to compare the X-ray picture from the cadaver with the findings in the dissection. A complete disarticulated skeleton is loaned to each student so that the bones may be available for study when encountered in course of dissection. In addition the department is well equipped with models, cross sections, and special dissections for study and demonstration. For study of the finer structure of the organs, hand lenses and several binocular dissecting microscopes are provided in the laboratory. A student library containing atlases and some of the more important anatomical monographs is in connection with the laboratory. Besides the usual regional recitation on the dissected part, demonstration conferences are held about three times a week with the class as a whole or with smaller groups. Occasional lectures are given on matters that cannot be made clear by dissection and demonstrations.

The work in the anatomy of the nervous system and sense organs is given during the second term. It consists mainly of laboratory work with frequent conferences and recitations. A topographic study and dissection of the organ or part precedes or accompanies its microscopic study. Special attention is

CORNELL UNIVERSITY MEDICAL COLLEGE

given to the sense organs, nerves, nuclei, reflex connections, conduction tracts and cortical areas that enter into the formation of the more important functional systems. In connection with each organ or part, its development and comparative morphology is considered. For this work an ample supply of human brains, brains of lower mammals, Weigert sections, and other preparations are available.

The department is well equipped to provide facilities for those properly qualified to undertake advanced and research work. Students with special ability or training are permitted to do more than the required work. Where time permits they are encouraged to do advanced or research work.

1. **Anatomy of the Head and Neck.**—First term. Credit, 4 hours, 25 actual hours a week for 6 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

2. **Anatomy of the Thoracic Walls and Viscera.**—First term. Credit, 1 hour, 25 actual hours a week for 2 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

3. **Anatomy of the Abdominal and Pelvic Walls and Viscera.**—First term. Credit, 4 hours, 25 actual hours a week for 6 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

5. **The Nervous System, Anatomy, Histology, and Systematization.**—Second term, credit, 3 hours, Assistant Professor Papez and Instructors. Nine hours a week laboratory with laboratory demonstrations, conferences and recitations. Dissection of the spinal cord and brain. Microscopic structure and development of the nervous system and organs of special sense.

6. **Anatomy of the Living Body.**—First term. Credit, 2 hours, 3 actual hours a week. Professor Kerr. Interpretation of dissecting room material by means of the living body, frozen sections, and special preparations. A review of the work of courses, 1, 2, and 3.

7. **Anatomy of the Upper Extremity.**—First term. Credit, 2 hours, 25 hours a week for 2 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

8. **Anatomy of the Lower Extremity.**—Second term. Credit, 2 hours, 4 hours a week for 16 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

9. **Topographical Anatomy.**—First and second terms. Credit, 2 to 5 hours. Elective. Prerequisite, anatomy courses 1, 2, 3, 7, or 8. The detailed dissection and study of any region. Professor Kerr.

12. **Research in Anatomy and Neurology.**—First and second terms. Professors Kerr and Papez. Advanced and research work in the laboratories. Open only to those who have taken the necessary preliminary courses, and are properly qualified.

ITHACA DIVISION

HISTOLOGY AND EMBRYOLOGY.

BENJAMIN F. KINGSBURY, PH.D., M.D., *Professor.*

HOWARD B. ADELMANN, A.M., PH.D., *Assistant Professor.*

EARL O. BUTCHER, A.B., *Instructor.*

JULIA E. ROTHERMEL, A.M., *Instructor.*

FISK W. A. SCUDDER, A.B., *Instructor.*

LLOYD H. BOLTON, A.M., *Assistant.*

As indicated by the following courses, this department offers elementary and advanced instruction in the theory and use of the microscope and its accessories, in histology, and embryology; and opportunities for research in all of these subjects.

The material equipment consists of a good supply of modern microscopes, while camera-lucidas, polariscopes, micro-spectroscopes, photo-micrographic cameras, microtomes and other special apparatus such as dark-field illuminators are in sufficient numbers to give each student opportunity for personally learning to use them, and for applying them to any special study in which they are called for. Two projection microscopes are available for class demonstrations and for making the drawings used in reconstruction.

The rooms for the use of the department are on the second floor of Stimson Hall. They are almost perfectly lighted and consist of a large general laboratory, an advanced laboratory, a preparation room, department office, and five private laboratories for the instructing staff, where also special demonstrations of difficult subjects are given to small groups of students.

The collection of material and microscopic series of human embryology, contributed mainly by graduates of the college, is steadily growing. Every encouragement is given for the fullest utilization of the opportunities afforded by the department.

The work of the department consists of practical laboratory work, supplemented by lectures, conferences, and demonstrations. The work required of students of medicine is given in course 10. For those who have already had elsewhere satisfactory work in histology, elective work may be taken in Courses 107 and 108. Courses open to students in the College of Arts and Sciences and Veterinary Medicine are described in the announcements of these colleges.

COURSES REQUIRED OF STUDENTS OF MEDICINE.

10. Histology.—First term. Credit, 8 hours. Professor Kingsbury and assistant. Required of first-year students of medicine. Four laboratory periods and four lectures each week. The work includes (a) The fundamentals of human development; (b) The histology of the tissues and organs (except the nervous system); (c) The main facts of histogenesis and the development of the organs (except the nervous system). It is highly advantageous that the course be preceded by a course in embryology (see Courses of Instruction of the College of Arts and Sciences, Course 104).

CORNELL UNIVERSITY MEDICAL COLLEGE

ADVANCED AND ELECTIVE COURSES.

107. Advanced Work in Histology and Embryology.—First and second terms. Professor Kingsbury and Assistant Professor Adelmann. Laboratory work, eight or more actual hours a week, with Seminary (Course 108).

This course is designed for those preparing theses for baccalaureate or advanced degrees, and for those wishing to undertake special investigations in histology and embryology.

Course 107 is open to those who have had Course 10, or its equivalent. A good reading knowledge of French and German is indispensable for the most successful work in this course. It is suggested that those who intend to take this course confer with the head of the Department as early as possible, so that the work may be planned to the best advantage.

108. Seminary.—First and second terms. One hour each week at an hour to be arranged.

For the discussion of current literature and the presentation of original work by the members of the Department staff and those doing advanced work in the department. It may be taken in connection with Course 107.

DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY.

JAMES B. SUMNER, A.M., PH.D., *Assistant Professor of Biochemistry.*

JOSEPH A. DYE, A.B., PH.D., *Assistant Professor of Physiology.*

HOWARD S. LIDDELL, A.M., PH.D., *Assistant Professor of Physiology.*

GEORGE H. MAUGHAN, A.M., *Instructor in Physiology.*

ALLEN D. KELLER, B.S., *Instructor in Physiology.*

ETHEL D. SIMPSON, A.M., *Instructor in Physiology and Biochemistry.*

DAVID B. HAND, A.B., *Instructor in Biochemistry.*

Physiology.

This subject is taught in the second term of the first year of the medical curriculum. It is the aim of the department to give the students a thorough training in the fundamentals of the science of physiology, which was formerly known as the Institutes of Medicine, and an effort is made to strike the proper balance between the study of theoretical principles in the lecture room and the practical application of these in the laboratory.

The work in physiology is given in the second term. Nine hours a week are devoted to practical exercises, special attention being given to experimental methods which are likely to be of importance in the study of clinical medicine.

In the laboratory, from year to year, less and less time is taken up with frog physiology and more and more time devoted to a practical study of mammalian functions. This is made possible by the fact that the department now possesses six large Brodie type kymographs of recent pattern for the exclusive use of medical students.

The following courses are offered:

1. Physiology of Muscle and Nerve; reflex, central and autonomic nervous systems; special senses; digestion, absorption, excretion and endocrine organs.

ITHACA DIVISION

—Credit 4 hours. Assistant Professor Dye, Assistant Professor Liddell and instructors. Four lectures or conferences weekly throughout the term. Written and oral examinations will be held at intervals.

4. **Experimental Physiology.**—Credit 4 hours. Assistant Professors Dye, Liddell and instructors. Two laboratory periods of six and three hours each week. The fundamental experiments of the science dealt with in the systematic lectures will be carried out practically by the students themselves under the direction of the professors and instructors. Demonstrations, oral and practical examinations will be given from time to time.

308. **Advanced Work and Research.**—The laboratory is open daily from 8 A.M. till 6 P.M. for advanced work and original investigation under the direction of the professors and instructors.

Biochemistry.

In this section the student is taught the chemistry of the tissues, fluids, secretions, and excretions of the human body; the compositions of food-stuffs, and the phenomena of their digestion, absorption, and assimilation; the rôle of enzymes in the animal economy; the principles of nutrition; and the leading facts of general and special metabolism. Groups of organic compounds of especial biological importance will be discussed emphasizing particularly the carbohydrates, purins, amino acids, and fats. The fundamental properties of electrolytes and colloids and the phenomena of osmosis and dialysis will be considered in lecture room and laboratory. Instruction is given in the use of analytical methods for the examination of biological products, both normal and pathological. Those methods are principally considered which have found an application in scientific medicine, and special attention is devoted to the quantitative analysis of the gastric contents, blood, and urine. Each student completes the course by performing a metabolism experiment upon himself.

The bulk of the instruction is given in the laboratory. As occasion arises, the student's individual work there is supplemented by experimental demonstrations; while by means of lectures and recitations it is sought to co-ordinate the whole, and to expound the theoretical aspects of the subject.

The following courses are offered:

15. **General Biochemistry.**—Second term. Credit, 9 hours. Five lectures or recitations and four three-hour laboratory periods weekly; supplemented by demonstrations, conferences and written reviews. Assistant Professor Sumner, Miss Simpson and Mr. Hand. Required of first year students of medicine.

17. **Special Chapters in Biochemistry.**—First term. Credit, 1 hour. Assistant Professor Sumner. One lecture weekly on some selected province of biological chemistry. Hour to be arranged. This is an elective course for advanced students or graduates.

320. **Advanced and Research Work in Biochemistry.**—First and second terms. Assistant Professor Sumner. The laboratory is open daily to all qualified persons for advanced instruction or the prosecution of research. Courses are arranged to suit the training and requirements of the individual student.

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SCHEDULE AND SUMMARIZED STATEMENT.

In this schedule the counts or University hours are given on the following basis: One recitation or lecture weekly for one term or half year gives a credit of one; for laboratory work it requires two and one-half to three actual hours weekly for a term or half year to secure a credit of one.

SCHEDULE OF REQUIRED COURSES.

First Term.

	No. of Course	University Hours	Actual Hours Weekly
Anatomy	1, 2, 3, 7	11	25
Anatomy	6	2	3
Histology	10	8	16
		—	—
		21	44

Second Term.

Anatomy	8	2	4
Physiology	1, 5	4	4
Physiology	4	4	9
Nervous System	5	3	9
Biochemistry	15	9	17
		—	—
		22	43

SUMMARY OF REQUIRED COURSES.

First Term.

1. Anatomy of the Head and Neck.—Credit, 4 hours, 25 actual hours a week for 6 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

2. Anatomy of the Thoracic Walls and Viscera.—Credit, 1 hour, 25 actual hours a week for 2 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

3. Anatomy of the Abdominal and Pelvic Walls and Viscera.—Credit, 4 hours, 25 actual hours a week for 6 weeks. Professors Kerr and Papez, Instructors and assistants. Laboratory work, dissection, and conferences.

6. Anatomy of the Living Body.—Credit, 2 hours, 3 actual hours a week. Professor Kerr.

7. Anatomy of the Upper Extremity.—Credit, 2 hours, 25 hours a week for 2 or more weeks. Professors Kerr and Papez and assistants.

10. Histology.—Credit, 8 hours. Professor Kingsbury, instructors and assistant. Four laboratory periods and four lectures each week.

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Second Term.

1. **Physiology of Muscle and Nerve;** reflex, central and autonomic nervous systems; special senses; digestion, absorption, excretion and endocrine organs.—Credit, 4 hours. Assistant Professor Dye, Assistant Professor Liddell and instructors. Four lectures or conferences weekly throughout the term. Written and oral examinations will be held at intervals.

4. **Experimental Physiology.**—Credit, 4 hours. Assistant Professors Dye, Liddell and instructors. Two laboratory periods of three and six hours a week. This course will be supplemented by demonstrations whenever necessary.

15. **General Biochemistry.**—Credit, 9 hours. Five lectures or recitations and four three-hour laboratory periods weekly, supplemented by demonstrations, conferences, and written reviews. Assistant Professor Sumner and Instructors.

5. **The Nervous System Anatomy, Histology, and Development.**—Credit, 3 hours. Assistant Professor Papez and Instructors. Nine actual hours a week. Dissection of the spinal cord and brain. Microscopic structure of the nervous system and organs of special sense.

8. **Anatomy of the Lower Extremity.**—Credit, 2 hours, 4 actual hours a week. Professors Kerr and Papez and assistants.

REQUIREMENTS FOR ADMISSION.

The requirements for admission are identical with those of the Medical College at New York City (see page 28).

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GRADUATE WORK AT ITHACA.

ADMISSION.

The Graduate School has exclusive control of all graduate work carried on in the University. Graduates of the following colleges of Cornell University, namely, the College of Arts and Sciences, the College of Architecture, the College of Engineering, the Medical College, the New York State College of Agriculture, and the New York State Veterinary College, and also graduates of other institutions in which the requirements for the first degree are substantially equivalent, are eligible for admission to the Graduate School. In other cases studies pursued after graduation, and experience gained by professional work or otherwise, are taken into consideration in deciding whether the candidate's preparation as a whole is such as to justify his admission to the Graduate School. Graduates of colleges other than those of Cornell University may be admitted to the Graduate School, but not to candidacy for an advanced degree, if their training is regarded as less than one year short of that required for the first degree at Cornell University.

In order to be admitted to the Graduate School, a student must furnish evidence that he has already received a first degree, by presenting either a diploma or a statement from some official source. The simplest procedure will ordinarily be to submit an official statement from the registrar or dean that the degree has been conferred. In the case of graduates of Cornell University this is not necessary, since the records are conveniently accessible.

To avoid delays at the beginning of the academic year, those who desire to enter the Graduate School are advised to make application for admission, either in person or by letter, in the preceding spring or summer. Correspondence should be addressed to the Dean of the Graduate School, Cornell University, Ithaca, New York.

For details in regard to the selection of major and minor subjects, special committees in charge of the work of each candidate for an advanced degree, fees, time required, thesis, and special conditions to be fulfilled by each candidate for an advanced degree, reference should be made to the announcement of the Graduate School.

FACILITIES.

The facilities of the Departments of Anatomy, Histology and Embryology, Physiology and Biochemistry, have been outlined under the description of each department. These are equally available for the use of the graduate students as for medical students.

FELLOWSHIPS AND GRADUATE SCHOLARSHIPS.

Among the twenty-four fellowships and eighteen scholarships offered annually to students in the Graduate School, the following are of particular interest to students continuing work in biological sciences:

ITHACA DIVISION

The Schuyler Fellowship in Animal Biology (annual value of \$400 and free tuition in the Graduate School).

The Graduate Scholarship in Animal Biology (annual value of \$200 and free tuition in the Graduate School).

THE COMBINED A.B. AND M.D. DEGREES.

The Medical College advises students to complete, whenever feasible, the full four year A.B. course before applying for admission to this college. It is possible, however, to be admitted to the Medical College under Section II of the entrance requirements. This is to provide for those students who, by specially directed or especially proficient work, accomplish the essential requirements for the Arts degree during three years of college residence. No students are admitted under this classification unless their college faculty will permit them to substitute the first year in the Cornell University Medical College for the fourth year of their college course, and no student is admitted to the second year in the Medical College without the bachelor's degree obtained after at least three years of undergraduate college work.

The first year in the medical course which may be taken in place of the fourth year of the arts work may be pursued either in Ithaca or New York City. If all the work of this year is completed satisfactorily the student receives the degree of A.B. or its equivalent, and is permitted to take the last three years of the medical work. These are taken entirely in the Cornell University Medical College in New York City.

For the convenience of college students preparing for medicine, a schedule of the courses in the College of Arts and Sciences of Cornell University, in Physics, Chemistry, and Biology, which will satisfy the requirements for admission to the Medical College, is given below. If a student is taking four years in an arts college these courses may be taken later in the course than indicated. It is important that the order given in the outline should, in the main, be followed, as certain of these courses are prerequisite for other prescribed courses. In addition to these courses required for admission to the Medical College, the student will take all courses in English; Foreign Language; Philosophy and Psychology; History; Mathematics; Economics and Government that are prescribed by the College of Arts and Sciences. It is advised that all these underclass requirements be completed before the beginning of the junior year.

Outline of the courses which the Medical College requires of its applicants for admission, and planned for the student who expects to finish his Arts courses in three years.

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First year in Arts.

	Course No.	1st Term. Hours Credit.	2nd Term. Hours Credit.
Animal Biology (Introductory Zoology).....	1	3	3
Chemistry (Introductory Inorganic)	101		6

Second year in Arts.

Animal Biology (Comparative Anatomy and morphology of vertebrates)	11	3	3
Chemistry (Introductory Qualitative Analysis)	210	3	
Chemistry (Introductory Quantitative Analysis)	225		3
Physics (Introductory Experimental)	3&4	3	3

Third year in Arts.

Chemistry (Elementary Organic)	375	6	
Animal Biology (Histology and Histogenesis of the tissues)	101	4	
Animal Biology (Vertebrate Embryology) ..	104		4
Physics (Introductory Physical Experiments)	55	3	

It is desirable that included in, or in addition to the modern Foreign language required for admission to the Medical College, students should obtain a reading knowledge of French and German.

Some of the additional courses suggested for election according to the needs or desires of each individual student are:

In the group of Animal Biology, Courses: 10—Cytology; 14—Genetics; 102—Histology and development of the organs; 105—Histology and Histological methods; 221—Structure of the Human Body; 222—Anatomical Methods; 303—Elementary Human Physiology; in Economics, in addition to the elementary course, courses 50a and b,—Introduction to Social Science. Also courses in Psychology and additional courses in English and Public Speaking where these latter are needed.

RESIDENCE AND REGISTRATION.

The college year is nine months long, extending from the last of September till about the middle of June, and is divided into two nearly equal terms. (For exact dates, see calendar on page 98.)

No credit is given for work done in absentia. For leave of absence during the session, application should be made to the Secretary.

At the beginning of the term students must register with the University Registrar, in Morrill Hall. After registration with the University Registrar, they must register with the Secretary of the Medical College, in Stimson Hall.

EXAMINATIONS.

Students are advanced in course from one year to the next upon passing examinations upon the work of that year. The work of each year is considered final of itself. There is no unnecessary repetition of subjects taught

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from year to year. According to the usage of the other colleges, the University student found to be markedly deficient will be dropped from the College at the end of the term in which such deficiency is shown. In the case of a student so dropped, an application for re-admission will not be considered at all until after the expiration of one term.

ADVANCEMENT FROM FIRST TO SECOND YEAR.

Upon the completion of the year in Ithaca, a transcript of the record of each student, together with a statement that such student is recommended for admission to the second year class is transmitted by the Faculty at Ithaca to the Faculty of the Medical College in New York City. As a student is not advanced from one year to another in the New York division until all the work of the year is completed, a student from Ithaca cannot enter the second-year class in New York until the entire schedule of the first year has been successfully completed. For removing any conditions, examinations are held at the beginning of the fall term, both in Ithaca and in New York City. The student is at liberty to take these examinations in Ithaca or in New York City. The examination on a subject in either place is final for that year. That is, the student will not be permitted to try an examination on a subject in Ithaca, and take advantage of the later date for the examination in New York to have a second examination on the same subject in the same autumn.

CHARGES FOR INSTRUCTION.

FIRST YEAR.

Matriculation	\$10.00
Tuition	500.00
	<hr/>
	\$510.00

All tuition and other fees may be changed or increased by the Trustees to take effect at any time without previous notice.

Applications for Registration in the Medical College Should be Made by March 1, and a Deposit of \$100 is Required If Accepted.

Any prospective undergraduate student intending to register in the Medical College at Ithaca for the first term of the academic year must apply for registration not later than March 1 of that year. An application received after March 1 may be accepted if, in the judgment of the Faculty there is adequate provision for the student's instruction. A deposit of \$100 is required as soon as the application is acted on favorably by the Committee. If a student completes his registration for the first term the deposit will be credited to his account. If a prospective student whose application and deposit have been accepted fails to complete his entrance requirements he is entitled to a refund of the deposit in excess of accrued charges. If an applicant fails

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for any other reason to enter the University at the beginning of the term there may, in the discretion of the comptroller and the Registrar, be refunded to him any balance above charges accrued. Such a refund will generally be made where the vacancy caused by the student's withdrawal is filled.

RESIDENTIAL HALLS.

The University has six residential halls for men students situated on the Campus and furnishing accommodations for about 480 men. For particulars address University Treasurer, Ithaca, N. Y. There are, also, many private boarding and rooming houses near the University Campus. In these the cost of board and furnished room, with heat and light, varies from \$10 to \$15 a week. By the formation of clubs, students are sometimes able to reduce their expenses for room and board. Cafeterias are maintained by the University in Cascadilla Hall, in Willard Straight Hall, and one by the College of Agriculture in the Home Economics Building, where meals may be obtained at reasonable prices.

Before engaging rooms, students should carefully examine sanitary conditions and should particularly insist on satisfactory and sufficient fire escapes. The University publishes and distributes a list of approved rooming houses. This list is ready for distribution August 15. New students are advised to come to Ithaca a few days in advance of the beginning of the University duties in order that they may have ample time to secure room and board before the opening of the academic year. The Freshman Advisory Committee offers its assistance to new students in the selection of rooming and boarding houses.

The residential halls for women students are Sage College and Prudence Risley Hall. In these buildings, which are exclusively for women students, the total cost of board, laundry and rent of furnished rooms, with heat and light is \$515 a year. The halls are heated by steam, and lighted by electricity. The Dean of Women has jurisdiction over all women students in the University, and women students are not permitted to board and lodge outside of the halls for women except in houses approved by the Dean, and subject to her direction. Prospective women students should write to the Dean of Women for information concerning any matters in which they may need assistance. Dormitory facilities for women are inadequate, and prospective students desiring such accommodations are urged to make early application. Inquiries in regard to board and rooms in the women's halls should be addressed to The Manager of Residential Halls, Sage College, Ithaca, N. Y.

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FIRST YEAR—SESSION 1927-1928—FIRST TERM

	8	9	10	11	12	2	3	4
Mon.	Anatomy	Histol.	Histology			Anatomy		
Tues.	Anatomy					Anatomy		
Wed.	Anatomy	Histol.	Histology			Anatomy		
Thurs.	Anatomy					Anatomy		
Fri.	Anatomy	Histol.	Histology			Anatomy		
Sat.		Histol.	Histology					

FIRST YEAR—SESSION 1927-1928—SECOND TERM

	8	9	10	11	12	2	3	4
Mon.	ANATOMY					Nervous System		
Tues.	Physiol.	Biochem.	Physiology			Physiology		
Wed.	Physiol.	Biochem.	Nervous System			Biochemistry		
Thurs.	Physiol.	Biochem.	Physiology			Nervous System		
Fri.	Physiol.	Biochem.	Biochemistry			Biochemistry		
Sat.		Biochem.	Biochemistry					

CORNELL UNIVERSITY MEDICAL COLLEGE

GRADUATES, 1927

Doctor of Medicine, June 9, 1927

Amendola, Frederick Henry	Roosevelt Hospital
B.S., 1923, The College of the City of New York.	
Angello, Anthony Frank	French Hospital
A.B., 1924, Cornell University.	
Barkhorn, Charles Webner	Bellevue Hospital
B.S., 1923, Princeton University.	
Baron, Shirley Harold	Mount Sinai Hospital
A.B., 1924, University of Oregon.	
Brennan, Thomas Ignatius	Fordham Hospital
B.S., 1923, Fordham University.	
Christian, Henry Arthur	New Haven Hospital, New Haven, Conn.
B.S., 1923, New York University.	
Corwith, Arthur Edward	New Haven Hospital, New Haven, Conn.
A.B., 1924, Cornell University.	
Delario, Anthony James	New York Hospital
A.B., 1924, Cornell University.	
Denker, Peter Gilbert	Bellevue Hospital
B.S., 1923, The College of the City of New York.	
DuBois, Charles Warren	Bellevue Hospital
A.B., 1924, University of California.	
Elston, Helen	Bellevue Hospital
B.S., 1916, Elmira College.	
Ferber, William Louis	Mount Sinai Hospital
B.S., 1923, New York University.	
Fussell, Lyman Gill	Kings County Hospital, Brooklyn, N. Y.
A.B., 1923, Columbia University.	
Gantt, Margaret Heighe	St. Peter's Hospital, Albany, N. Y.
B.A., 1923, Smith College.	
Gibb, William Travis, Jr.	St. Luke's Hospital
A.B., 1924, Columbia University.	
Gillespie, Jessie Louisa	Western Pennsylvania Hospital, Pittsburgh, Pa.
A.B., 1922, Randolph-Macon Woman's College.	
Gilman, Charles Malcolm Brookfield	
Dept. of Anatomy, Cornell University Medical College	
A.B., 1922, Columbia University.	
Ginandes, George Joseph	Lincoln Hospital
B.S., 1923, The College of the City of New York.	
Glasser, Benjamin Frank	Brownsville and East N. Y. Hospital, Brooklyn, N. Y.
B.Chem., 1920, Cornell University.	
Goldberg, Henry	Montefiore Hospital
A.B., 1924, Cornell University.	
Guite, Leander Armand	Fordham Hospital
B.S., 1923, Colby College.	

STUDENT REGISTER

- Hanlon, Walter GerardLong Island College Hospital, Brooklyn, N. Y.
A.B., 1922, Columbia University.
- Harrington, John HenryCity Hospital, Welfare Island
A.B., 1924, Cornell University.
- Harvey, Richard LaurenceHarlem Hospital
A.B., 1924, Cornell University.
- Hawkins, Charles FrankLenox Hill Hospital
A.B., 1924, Cornell University.
- Holmberg, Frank FrederickMethodist Episcopal Hospital, Brooklyn, N. Y.
A.B., 1924, Cornell University.
- Hudes, NathanSt. John's Hospital, Long Island City, N. Y.
A.B., 1924, Cornell University.
- Killip, ThomasStrong Memorial Hospital, Rochester, N. Y.
A.B., 1924, University of Rochester.
- Ladas, GeorgePaterson General Hospital, Paterson, N. J.
A.B., 1924, Cornell University.
- Lasky, Solomon SabesanUnited Israel Zion Hospital
B.S., 1918, The College of the City of New York.
- Levine, Milton IsraSt. Mary's Free Hospital for Children
B.S., 1923, The College of the City of New York.
- Lintz, Robert MiltonBellevue Hospital
A.B., 1924, Cornell University.
- Lisbon, WallaceKnickerbocker Hospital
Ph.B., 1923, Brown University.
- Logan, Victor WesleyNew York Hospital
A.B., 1923, Princeton University.
- Lowey, HenryBronx General City Hospital
A.B., 1924, Cornell University.
- Manuel, Gaston AlexandreNew York Hospital
B.S., 1919, Lausanne University.
- Mardis, ChaunceyMiami Valley Hospital, Dayton, Ohio
B.A., 1923, Ohio University.
- Mason, Malcolm WoodruffFrench Hospital
B.S., 1923, New York University.
- Meagher, Richard HayesPeter Bent Brigham Hospital, Boston, Mass.
Ph.B., 1921, Yale University.
- Mendez, CarlotaNew York Infirmary for Women and Children
A.B., 1924, Cornell University.
- Merin, Joseph HaroldMichael Reese Hospital, Chicago, Ill.
B.S., 1923, The College of the City of New York.
- Moress, SaulRochester General Hospital, Rochester, N. Y.
A.B., 1923,, University of Rochester.
- O'Donnell, Leo JosephLenox Hill Hospital
Ph. B., 1923, Brown University.
- Schults, AnnaNew York Infirmary for Women and Children
A.B., 1920, Hunter College.

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Skur, Anthony	St. Alexis Hospital, Cleveland, Ohio
A.B., 1924, Adelbert College.	
Snyder, Raymond Dimmick	Albany Hospital, Albany, N. Y.
A.B., 1924, Cornell University.	
Soley, Paul John	Fordham Hospital
B.S., 1923, Dartmouth College.	
Stadlinger, Karl Peter	San Francisco Hospital, San Francisco, Calif.
B.S., 1923, Dartmouth College.	
Stubenbord, John George	New York Hospital
A.B., 1924, Columbia University.	
Stump, John Philip	French Hospital
B.A., 1923, Johns Hopkins University.	
Thomas, Victor Ellsworth	
San Francisco City and County Hospital, San Francisco, Calif.	
A.B., 1923, Leland Stanford University.	
Torrey, Harry Beal	
B.S., 1895, Univ. of Calif.; M.S., 1898, Univ. of Calif.; Pl.D., 1903,	
Columbia University.	
Ward, Elsie Clara	New York Infirmary for Women and Children
A.B., 1923, Cornell University.	
Warner, Florence Eleanor.....	Western Pennsylvania Hospital, Pittsburgh, Pa.
A.B., 1924, Cornell University.	
Wightman, Henry Booth	Bellevue Hospital
A.B., 1923, Williams College.	
Wilson, Harold Lynn	Bellevue Hospital
A.B., 1924, Cornell University.	
Woodman, Jocelyn	Bellevue Hospital
A.B., 1919, Cornell University.	
Wortis, Samuel Bernard	Bellevue Hospital
B.A., 1923, New York University.	

STUDENTS, 1927-28

FOURTH YEAR.

Poughkeepsie, N. Y.

New York, N. Y.

Ware, Mass.

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Max Moses, A.B., 1924, Alfred University.....Spring Valley, N. Y.
 Samuel Myerson, B.S., 1924, College of the City of New York..Brooklyn, N. Y.
 Grace Trenholme Newman, A.B., 1921 Adelphi College.....Brooklyn, N. Y.
 Valentine Nowicki, A.B., 1925, Cornell University.....Yonkers, N. Y.
 Tsung Tsong Nyi, A.B., 1924, Smith College.....Soochow, China
 David Harold Paley, B.S., 1925, Alfred University.....New York, N. Y.
 Madelin Ruth Perry, A.B., 1924, Cornell University.....Ithaca, N. Y.
 Armand James Quick, B.S., 1918, University of Wisconsin.....Theresa, Wis.
 Charles Howard Rothfuss, B.S., 1922, Susquehanna University

Williamsport, Pa.

Joseph Robert Shaeffer, Jr., A.B., 1925, Cornell University..Ballston Spa, N. Y.
 Edward Felix Shnayerson, B.S., 1924, Dartmouth College....Brooklyn, N. Y.
 Rose Spiegel, A.B., 1925, Cornell University.....Brooklyn, N. Y.
 Morton Samuel Stern, B.S., 1923, Dartmouth College.....Berlin, N. H.
 Mossey Sussman, B.S., 1923, M.S., 1924, New York University..Jersey City, N. J.
 Jesse Tolmach, A.B., 1924, Syracuse University.....Brooklyn, N. Y.
 Calvin Clark Torrance, B.S., 1924, Colgate University.North Tarrytown, N. Y.
 Donald Dennis Trantum, B.S., 1925, Colgate University.....Jamestown, N. Y.
 Reuben Turner, A.B., 1925, Cornell University.....New York, N. Y.
 Stratford Corbett Wallace, A.B., 1925, Columbia University..New York, N. Y.
 Joseph Waxelbaum, A.B., 1925, Cornell University.....Brooklyn, N. Y.
 Joseph Gerard Welling, A.B., 1923, Fordham University..New Rochelle, N. Y.
 Arthur Archibald Weinberg, A.B., 1924, University of Southern California,

Brooklyn, N. Y.

Olive Whitney Wheaton, A.B., 1924, Hunter College.....San Francisco, Cal.
 A. J. Whitehouse, A.B., 1924, University of Kentucky.....Lexington, Ky.
 James Isadore Yanick, B.S., 1924, Alfred University.....Paterson, N. J.
 Isidore Charles Zuckerman, B.S., 1924, College of the City of New York,

Brooklyn, N. Y.

THIRD YEAR.

Herbert Spencer Abel, A.B., 1925, Harvard College.....Providence, R. I.
 Ethelyn Anderson, B.S., 1923, Syracuse University.....Olean, N. Y.
 Abraham Arthur Antoville, A.B., 1926, Cornell University..New York, N. Y.
 Samuel Averett Arnold, A.B., 1926, Cornell University.....New York, N. Y.
 Sara Bass, A.B., 1926, Cornell University.....New York, N. Y.
 James Randolph Beard, Jr., B.S., 1925, Wesleyan University.Brooklyn, N. Y.
 Arthur Randall Beil, Ph. B., 1925, Brown University.....Youngstown, Ohio
 William Benenson, A.B., 1925, Cornell University.....Napanock, N. Y.
 Joseph Brody, A.B., 1926, Cornell University.....Brooklyn, N. Y.
 Paul W. Cohen, B.S., College of the City of New York....New York, N. Y.
 Thomas F. Crowley, A.B., 1926, Cornell University.....Buffalo, N. Y.
 Ernani d'Angelo, A.B., 1926, Cornell University.....Corona, L. I.
 Charles Hartranft Deichman, A.B., 1926, Cornell University.New York, N. Y.
 Dominic Anthony De Santo, A.B., 1925, Columbia University.Elizabeth, N. J.
 Harold Henning Dodds, A.B., 1925, Williams College.....Troy, N. Y.
 Albert Harris Douglas, B.S., 1925, College of the City of New York

New York, N. Y.



STUDENT REGISTER

- Frank Mears Falkenbury, A.B., 1926, Cornell University....Whitehall, N. Y.
 John Stanley Fitzgerald, B.S., 1923, Hamilton College.....Utica, N. Y.
 Ruth Bridgman Ferriss, A.B., 1925, Syracuse University....Madison, N. Y.
 Bernard Fread, B.S., 1925, College of the City of New York.New York, N. Y.
 Albert Harold Garofalo, A.B., 1924, Syracuse University....Syracuse, N. Y.
 William Parrish Garver, A.B., 1926, Cornell University.....Lorian, Ohio
 Herman Glassman, B.S., 1925, Colby College.....Brooklyn, N. Y.
 Jack Sternberg Goltman, B.S., 1922, University of Pennsylvania, A.B., 1925,
 University of Pennsylvania Memphis, Tenn.
 Charles Kemm Good, A.B., 1924, Columbia University.....Union City, N. J.
 Richard Birchill Good, B.S., 1925, New York University....Union City, N. J.
 Harry Gordon, A.B., 1926, Cornell University.....Tarrytown, N. Y.
 Grant Guillemont, A.B., 1925, Cornell University, A.M., 1926,
 Cornell UniversityNiagara Falls, N. Y.
 Erwin Kroll Gutmann, A.B., 1925, Columbia University.....Jersey City, N. J.
 Louis Richard Hass, B.S., 1925, New York University.....Palisade, N. J.
 Virginia Clay Hamilton, A.B., 1925, Wellesley College....Lexington, Ky.
 Arthur Joseph Harrington, A.B., 1926, Cornell University...Buffalo, N. Y.
 Edwin Harry Heller, A.B., 1926, Cornell University.....Bayside, N. Y.
 Saul Isaac Heller, A.B., 1925, Cornell University.....New York, N. Y.
 Kenneth Mac Leod Hill, A.B., 1926, Columbia University...New York, N. Y.
 William Maxwell Hitzig, A.B., 1926, Columbia University.Astoria, L. I., N. Y.
 Winifred Louise Hope, A.B., 1922, Smith College.....Katonah, N. Y.
 Frances Lillian Ilg, A.B., 1925, Wellesley College.....Manitowish, Wis.
 Raymond James Kay, A.B., 1925, Cornell University.....Central Falls, R. I.
 Le Moyne Copeland Kelley, A.B., 1924, University of Rochester
 Rochester, N. Y.
 George Henry Kittell, A.B., 1925, Hamilton College.....Jamaica, N. Y.
 Estelle Elizabeth Kleiber, B.S., 1924, New York University (Washington
 Square College) Hoboken, N. J.
 Charles Andrew Landshof, B.S., 1925, New York University.Jersey City, N. J.
 Frank Schmidt Linane, A.B., 1925, St. John's College.....Brooklyn, N. Y.
 Annie-Parks McCombs, B.S., 1925, Connecticut College...Charlotte, N. C.
 Elizabeth Miller MacNaugher, A.B., 1917, Radcliffe College...New York, N. Y.
 Pompey Scipio Milici, B.S., 1925, Yale University.....New Haven, Conn.
 John Noll, Jr., A.B., 1925, Cornell University.....Youngstown, Ohio
 Paul Lange Phillips, A.B., 1924, Bowdoin College.....Brooklyn, N. Y.
 Herbert Pollack, A.B., 1925, Washington and Lee University
 New York, N. Y.
 Albert Grant Rapp, Alfred College.....Paterson, N. J.
 Eugene Laurian Richmond, A.B., 1924, Clark University..Worcester, Mass.
 Adelaide Romaine, A.B., 1926, Cornell University.....Seabright, N. J.
 Harold Carl Rosenthal, A.B., 1925, Cornell University...Poughkeepsie, N. Y.
 Sol Lawrence Samuels, A.B., 1926, Cornell University...Brooklyn, N. Y.
 Louis Schneider, B.S., 1913, Syracuse University.....Brooklyn, N. Y.
 Frederick Gilman Scovel, A.B., 1925, Hamilton College....Cortland, N. Y.
 Robert Thurston Spicer, A.B., 1925, Alfred University....Plainfield, N. J.

CORNELL UNIVERSITY MEDICAL COLLEGE

Herman Tannenbaum, B.S., 1925, College of the City of New York
New York, N. Y.
Albert Vander Veer, III, A.B., 1925, Yale College.....Albany, N. Y.
Henry Ambrose Wahn, A.B., 1925, Manhattan College.....New York, N. Y.
Wilfred Davies Wingeback, B.S., 1925, College of the City of New York
New York, N. Y.
John Emile Wirth, A.B., 1926, Columbia University.....Havana, Cuba

SECOND YEAR.

Alfred Silas Ambler, A.B., 1927, Cornell University.....College Point, N. Y.
Rowland Thompson Bellows, Ph.B., 1925, Brown University..East Orange, N. J.
Richard Davison Bullard, A.B., 1927, Cornell University..Schuylerville, N. Y.
Albert Lyon Chapman, A.B., 1927, Cornell University....Port Richmond, N. Y.
Herman John Christensen, B.S., 1926, Cornell University.....Ithaca, N. Y.
Edward Craig Coats, B.S., 1927, Alfred University.....Wellsville, N. Y.
Peter John De Bell, A.B., 1926, Hope College.....Passaic, N. J.
Arthur John Dick, A.B., 1926, Union College.....Flushing, N. Y.
Benjamin Victor di Iorio, A.B., 1925, Colgate University.....Utica, N. Y.
Henry Shankland Dunning, A.B., 1927, Cornell University....Syracuse, N. Y.
John Aloysius Fallon, A.B., 1927, Columbia University.....Brooklyn, N. Y.
Ben Bernard Gelfand, A.B., 1926, Morningside CollegeSioux City, Iowa
Raymond Gettinger, B.S., 1926, College of the City of New York
New York, N. Y.
Sol Roland Goldstein, A.B., 1926, Cornell University.....Rochester, N. Y.
Lillian Hedvig Hellstrom, A.B., 1925, Cornell University....Haverstraw, N. Y.
James Francis Hickey, A.G., 1922, Cornell University.....Ithaca, N. Y.
George Fred Hilker, B.S., 1926, Rutgers College.....Perth Amboy, N. J.
Edward Gorman Hinchliffe, A.B., 1923, Catholic University of America,
B.S., 1925, St. Bonaventure's College.....Paterson, N. J.
Mabel Clare Huschka, B.S., 1910, Beloit College,Minneapolis, Minn.
Alfred Anthony Imperato, B.S., 1925, St. John's College, M.A., 1926,
Columbia UniversityBrooklyn, N. Y.
Hary Inkster, B.S., 1924, University of WashingtonSeattle, Wash.
Margaret Alice Kennard, A.B., 1922, Bryn Mawr College..Newton Center, Mass.
Marguerite Kingsbury, A.B., 1926, Cornell University.....Ithaca, N. Y.
Nathan Kwit, A.B., 1927, Cornell University.....Brooklyn, N. Y.
William August Lange, B.S., 1925, New York University, M.S., 1926
New York University.....Brooklyn, N. Y.
Hannah Virginia Langworthy, B.S., 1913, Michigan State College, M.S.,
1915, Michigan State College.....Albany, N. Y.
Moris Boynton Lerner, A.B., 1923, University of California..Pasadena, Calif.
Edwin Rayner Levine, B.S., 1926, New York University.....New York, N. Y.
Mack Lipkin, B.S., 1926, College of the City of New York....Brooklyn, N. Y.
Robert Roden Meredith McLaughlin, A.B., 1926, Cornell University
White Plains, N. Y.
Charles Lowell Medd, B.S., 1927, Colgate University.....Maplewood, N. J.

STUDENT REGISTER

Laurence Miscall, A.B., 1926, Cornell University.....Albany, N. Y.
 Edward Joseph Moress, A.B., 1927, University of Rochester....Rochester, N. Y.
 John Gerard Muccigrosso, A.B., 1926, Fordham University....New York, N. Y.
 Charles George Murdock, Jr., A.B., 1927, Cornell University....Auburn, N. Y.
 Arcadio Tigrio Obando, A.B., 1926, University of Southern California

Mexico, D. F.

Irving Ostrow, A.B., 1927, Cornell University.....Poughkeepsie, N. Y.
 Helen Haslett Owen, A.B., 1918, Smith College.....Troy, N. Y.
 Warren James Pashley, A.B., 1927, Cornell University.....Oneionta, N. Y.
 Mildred Pellens, A.B., 1917, St. Lawrence University.....Montclair, N. J.
 Madeline Penke, A.B., 1926, Barnard College.....Corona, N. Y.
 Louis Penn, A.B., 1927, Cornell University.....Brooklyn, N. Y.
 Paul William Preu, B.S., 1927, Catholic University of America..Newark, N. J.
 Solomon Rauch, A.B., 1926, Cornell University.....Astoria, L. I., N. Y.
 Walter Rautenstrauch, Jr., A.B., 1927, Columbia University,...Palisade, N. J.
 Evelyn Rogers, A.B., 1922, Bryn Mawr College, A.M., 1925, Columbia

UniversityNew York, N. Y.

Samuel Harry Rosen, A.B., 1925, Cornell Univeristy.....Newark, N. J.
 Daniel Leslie Rothschild, A.B., 1927, Cornell University.....Newark, N. J.
 Frank David Rossomondo, A.B., 1926, Cornell University....New York, N. Y.
 John Sassani, A.B., 1927, Cornell University.....Binghamton, N. Y.
 Walter John Schmidt, B.S., 1926, College of the City of New York

Woodhaven, N. Y.

Stephen Huntington Sherman, A.B., 1926, Yale University...Bridgeport, Conn.
 George Wellington Slaughter, A.B., 1926, Hamilton College....Walden, N. Y.
 Joseph Alphonse Smith, B.S., 1926, Rutgers University.....Perth Amboy, N. J.
 David Soloway, A.B., 1926, Cornell University.....Long Island City, N. Y.
 Leo Hehir Speno, A.B., 1926, Colgate University.....Ithaca, N. Y.
 John David Stroud, A.B., 1926, Pomona College.....Pomona, Calif.
 William Dennis Thibodeau, B.S., 1925, Hobart College.....Newport, N. H.
 Michael Patsy Vinciguerra, A.B., 1926, Cornell University..Jamaica, L. I., N. Y.

FIRST YEAR.

Charles James Benninger, A.B., 1926, Leland Stanford University

San Francisco, Calif.

James Dinwiddie Bowen, A.B., 1927, Washburn College.....Topeka, Kansas
 Walter Stratton Britt, Jr., A.B., 1927, University of Alabama....Eufaula, Ala.
 Keeve Brodman, B.S., 1927, College of the City of New York..New York, N. Y.
 Francis Lee Carroll, A.B., 1927, Cornell University.....Oneida, N. Y.
 William Henry Cassebaum, A.B., 1927, Cornell University....Brooklyn, N. Y.
 Donald Vincent Cooney, B.S., 1927, Manhattan College.....Sea Cliff, N. Y.
 Harry John Degenhardt, B.A., 1927, Brown University.....New York, N. Y.
 John William Draper, Jr., A.B., 1927, Dartmouth College....New York, N. Y.
 Joseph Patrick Durkin, B.S., 1927, Manhattan CollegeNew York, N. Y.
 Harmon Saul Ephron, B.A., 1923, University of Toronto, M.A., 1925,

University of TorontoNew York, N. Y.

Benjamin Esterman, A.B., 1927, Columbia University.....Brooklyn, N. Y.
 Donald Carl Flessa, B.S., 1926, St. John's College.....Brooklyn, N. Y.

CORNELL UNIVERSITY MEDICAL COLLEGE

William Casper Goldwin, A.B., 1924, Cornell University.....Brooklyn, N. Y.
 Eugene Willard Green, Columbia University*Paterson, N. J.
 Donald Carr Griffin, A.B., 1922, Dartmouth College, A.M., 1925,

Columbia UniversityNew York, N. Y.
 Germaine Guntzer, B.S., 1923, Trinity College.....Port Chester, N. Y.
 Thomas Hale Ham, B.S., 1927, Dartmouth College.....St. Davids, Pa.
 Herbert Edelman Heim, A.B., 1927, Bucknell University.....Lewisburg, Pa.
 Elizabeth Humeston, B.S., 1926, Elmira College.....Huntington, L. I., N. Y.
 Carroll Warren Johnson, University of Maine*.....Machias, Me.
 Charles Edmund Kiessling, Columbia University*.....Woodside, L. I., N. Y.
 Henry Peter Lange, B.S., 1927, Colgate University.....Brooklyn, N. Y.
 Sidney Walter Levy, A.B., 1927, Cornell University.....New York, N. Y.
 Abraham Lieberman, A.B., 1927, Columbia University.....Brooklyn, N. Y.
 Alfred Lilienfeld, B.S., 1927, New York University.....Brooklyn, N. Y.
 Marion Cotton Loizeaux, B.A., 1927, Wellesley College.....New York, N. Y.
 Martin Henry Lutz, Jr., Ohio University*.....Nelsonville, Ohio
 Joseph Howard Marvin, B.S., 1925, College of the City of New York,

B.S.S., 1926, College of the City of New York, M.A., 1926, Columbia
 UniversityNew York, N. Y.
 Joseph John McEvoy, B.S., 1927, St. John's College..Richmond Hill, L. I., N. Y.
 Leo Price, D.V.M., 1914, Cornell University, B.S., 1927, New York

UniversityNew York, N. Y.
 Herman Rothman, B.S., 1927, New York University.....New York, N. Y.
 Frank William Samuels, B.S., 1927, University of Nevada.....Reno, Nevada
 Albert Christy Santy, B.S., 1927, Pennsylvania State College.....Jeannette, Pa.
 Charles Douglas Sawyer, A.B., 1927, University of Michigan

Port Chester, N. Y.
 Jacob Schneider, A.B., 1927, Cornell University.....Brooklyn, N. Y.
 Roman George Schweizer, B.S., 1926, Rutgers University.....Elizabeth, N. J.
 Morris Carlton Snitkoff, A.B., 1927, Columbia University.....Brooklyn, N. Y.
 Charles Spark, B.Sc., 1927, New York University.....New York, N. Y.
 William Dorus Stubenbord, B.S., 1927, Wesleyan University..Little Neck, N. Y.
 Burton Warren Trask, Jr., A.B., 1927, Bowdoin College.....Rumford, Me.
 Martin Alfred Verbeyst, B.S., 1927, St. Lawrence University

Woodcliff Lake, N. J.
 Lawrence S. Ward, B.S., 1927, College of the City of New York
 New York, N. Y.

Mosetta Constance White, A.B., 1927, Barnard College.....New York, N. Y.
 Herbert Morton Williams, B.S., 1927, College of the City of New York,
 New York, N. Y.

FIRST YEAR AT ITHACA.

Thomas B. Aitcheson, Cornell University*.....Schuylerville, N. Y.
 Jesse B. Aronson, A.B., 1927, Cornell University.....Brooklyn, N. Y.
 Adalberto Barroso-Bernier, Cornell University*..Santa Marta, Colombia, S. A.
 Harold William Beaty, A.B., 1927, Cornell University.....Jamestown, N. Y.
 Graham L. Bennett, Cornell University*.....Bath, N. Y.
 Charles M. Brane, Cornell University*.....Yonkers, N. Y.

STUDENT REGISTER

Daniel F. Brophy, B.S., 1920, College of the City of New York, A.M., 1924, Columbia University	Brooklyn, N. Y.
Alvin R. Carpenter, Cornell University*.....	Binghamton, N. Y.
Mario S. Cioffari, Cornell University*.....	New Rochelle, N. Y.
John S. Cregar, B.S., 1927, Bucknell University.....	Plainfield, N. J.
Ira H. Degenhardt, Cornell University*.....	Brooklyn, N. Y.
Leonard Druckermann, Cornell University*.....	Brooklyn, N. Y.
Lyman R. Fisher, Cornell University*.....	Ithaca, N. Y.
Elizabeth P. Fleming, A.B., 1927, Mount Holyoke College.....	Beverly, Mass.
Frank S. French, A.B., 1927, Cornell University.....	Newark, N. J.
Ruth F. Harral, A.B., 1927, Wilson College.....	Drexel Hill, Pa.
Robert T. Henkle, A.B., 1927, Cornell University.....	New London, Conn.
Rachel G. Holloway, A.B., 1923, Wellesley College.....	New York, N. Y.
Eugene M. Katzin, A.B., 1927, Cornell University.....	Newark, N. J.
Irving Le Bell, University of Pennsylvania*.....	New York, N. Y.
Hyman Levy, Cornell University*.....	Rochester, N. Y.
Julius Marcus, Cornell University*.....	New York, N. Y.
Robert C. Markey, B.S., 1927, Earlham College.....	Dayton, Ohio
Morton O. Nilssen, A.B., 1926, Upsala College.....	Brooklyn, N. Y.
Clara B. Owens, A.B., 1926, Cornell University.....	Ithaca, N. Y.
Edris R. Rice-Wray, A.B., 1927, Vassar College.....	Detroit, Mich.
Julius L. Rogoff, A.B., 1927, Cornell University.....	Brooklyn, N. Y.
William Seldeen, A.B., 1927, Cornell University.....	Amityville, N. Y.
Vernon O. Stahl, A.B., M.A., 1927, Pomona College.....	Ontario, Calif.
Elisha B. Van Duesen, B.S., 1927, Cornell University.....	S. Caro, N. Y.

Graduate Students (Not Candidates for a Degree)

May Annette Borquist, A.B., 1923, Reed College (Anatomy)...	New York, N. Y.
Stanley Eiss, M.D., 1914, Fordham University (Anatomy)...	New York, N. Y.
Martin Seler Kleckner, B.S., 1910, Muhlenberg College, M.D., 1914, University of Pennsylvania (Anatomy).....	Allentown, Pa.
Milde Lampe, B.S., 1923, New York University (Anatomy) Hudson Heights, N. J.	
John Harold Morris, A.B., 1911, Cornell University, M.D., 1914, Cornell University (Anatomy).....	New York, N. Y.
Joseph Leocadio Ramirez, M.D., 1908, Bellevue Medical College (Anatomy) New York, N. Y.	
Max Winsor, A.B., 1918, Columbia University, M.A., 1920, Columbia University (Chemistry)	Brooklyn, N. Y.

*Admitted under Clause II

CORNELL UNIVERSITY MEDICAL COLLEGE

SUMMARY

Fourth Year	66
Third Year	63
Second Year	59
First Year at New York City	45
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<hr/>	
Candidates for the degree of M.D.	263
Graduate Students	7
<hr/>	
Total.....	270



CORNELL UNIVERSITY

The GRADUATE SCHOOL (Degrees A.M., Ph.D., etc.)

The COLLEGE OF ARTS AND SCIENCES (Degrees A.B. and B. Chem.)

The COLLEGE OF LAW (Degree LL.B.)

The MEDICAL COLLEGE* (Degree M.D.)

The NEW YORK STATE VETERINARY COLLEGE (Degree D.V.M.)

The COLLEGE OF AGRICULTURE (Degree B.S.)

The COLLEGE OF ARCHITECTURE (Degree B.Arch.)

The COLLEGE OF CIVIL ENGINEERING (Degree C.E.)

The SIBLEY COLLEGE OF MECHANICAL ENGINEERING AND MECHANIC ARTS
(Degree M.E.)

*For copies of the University Publications and for additional information
apply to*

SECRETARY, CORNELL UNIVERSITY,

Ithaca, N. Y.

*The full four-year course of the CORNELL UNIVERSITY MEDICAL COLLEGE is given in the City of New York; the work of the first year is also given at Ithaca. Any student may take the first year either at New York City or at Ithaca. *All students take the last three years of the course in New York City only.* Special announcement of the Medical College and information of every kind regarding all four years will be furnished on application to

SECRETARY, Cornell University Medical College,

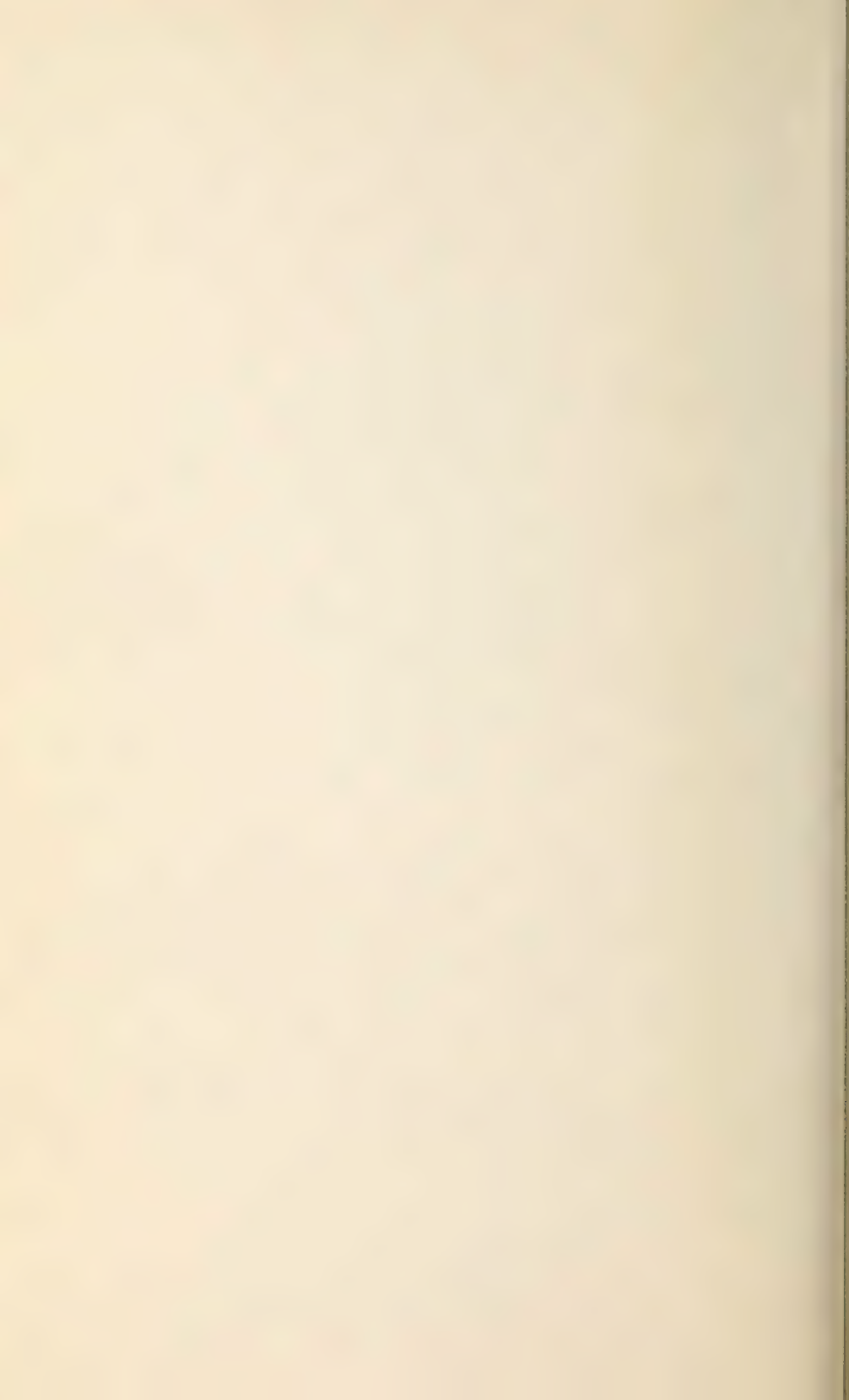
First Avenue and 28th Street, New York City.

or, (regarding first year at Ithaca),

SECRETARY, Cornell Medical College,

Stimson Hall, Ithaca, N. Y.





CORNELL UNIVERSITY MEDICAL BULLETIN

VOLUME XVIII

1929-30

NUMBER 3

ANNOUNCEMENT
OF THE
MEDICAL COLLEGE
NEW YORK AND ITHACA
1929

JANUARY, 1929
PUBLISHED BY CORNELL UNIVERSITY
477 FIRST AVENUE
NEW YORK CITY

CORNELL UNIVERSITY MEDICAL BULLETIN

Issued Quarterly

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in Section 1103, Act of October 3, 1917, authorized

These publications include
The Annual Announcement of the Medical College and
Reprinted Studies from the Several Departments of the Medical College
and its Research Laboratories

C O R N E L L
U N I V E R S I T Y
M E D I C A L B U L L E T I N

ANNOUNCEMENT
OF THE
MEDICAL COLLEGE
NEW YORK AND ITHACA
1929

JANUARY, 1929
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477 FIRST AVENUE
NEW YORK CITY

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CALENDAR

1929

- Jan. 7. Monday, 9 A.M.—Christmas recess ends. Second term begins.
- Feb. 22. Friday—Legal holiday.
- March 16. Saturday, 6 P.M.—Second term ends.*
- March 18. Monday, 9 A.M.—Third term begins.*
- March 28. Thursday, 6 P.M.—Easter recess begins.
- April 1. Monday, 9 A.M.—Easter recess ends.
- May 30. Thursday—Legal holiday.
- June 1. Saturday, 6 P.M.—Third term ends.
- June 3. Monday—Examinations begin.
- June 13. Thursday—Commencement.
- Sept. 13. Friday—Examinations begin for admission to the first year of all departments of Cornell University at Ithaca, N. Y.
- Sept. 27. Friday—Examinations begin for conditioned students and for those applying for advanced standing in the Medical College at New York City.
- Sept. 30. Monday—Last day for Registration.
- Oct. 1. Tuesday, 9 A.M.—Instruction begins.
- Oct. 12. Saturday—Legal holiday.
- Nov. 5. Tuesday—Election Day, legal holiday.
- Nov. 27. Wednesday, 6 P.M.—Thanksgiving recess begins.
- Dec. 2. Monday, 9 A.M.—Thanksgiving recess ends.
- Dec. 21. Saturday, 6 P.M.—First term ends.* Christmas recess begins.

1930

- Jan. 6. Monday, 9 A.M.—Second term begins.
- Feb. 22. Saturday—Legal holiday.
- March 15. Saturday, 6 P.M.—Second term ends.*
- March 17. Monday, 9 A.M.—Third term begins.*
- April 17. Thursday, 6 P.M.—Easter recess begins.
- April 21. Monday, 9 A.M.—Easter recess ends.
- May 29. Thursday, 6 P.M.—Third term ends.
- May 30. Friday—Legal holiday.
- June 2. Monday—Examinations begin.
- June 12. Thursday—Commencement.

*The session is subdivided into three terms of twelve, ten, and eleven weeks, respectively, and courses are scheduled in conformity with this subdivision.

All students must be registered at the secretary's office at or before the opening of the session. No student will be admitted after Registration Day without special permission of the Faculty. Immediately after registration the fees must be paid at the treasurer's office.

Any student may take the first year at either New York City or Ithaca. All students take the last three years at New York City only.

BOARD OF TRUSTEES

The PRESIDENT of the University		Ithaca
The GOVERNOR of New York State		Albany
The LIEUTENANT-GOVERNOR of N. Y. State		Albany
The SPEAKER of the Assembly		Albany
The STATE COMMISSIONER of Education		Albany
The STATE COMMISSIONER of Agriculture		Albany
The PRESIDENT of the State Agricultural Soc.		Albany
The LIBRARIAN of the Cornell Library		Ithaca
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*WALTER C. TEAGLE, B.S. (B.)		New York
*EDWIN N. SANDERSON, M.E. (A.)		New York
*ROGER H. WILLIAMS, A.M., Ph.B., LL.M., J.D. (A.)		New York
*GEORGE R. VANNAMEE, LL.B. (G.)		New York
GEORGE F. BAKER (B.)		New York
HENRY R. ICKELHEIMER, B.L. (B.)		New York
CHARLES M. SCHWAB (B.)		New York
MAXWELL M. UPSON, M.E. (A.)		New York
ALFRED D. WARNER, JR., B.S. (A.)		Wilmington, Del.
HORACE WHITE, A.B., LL.B. (G.)		Syracuse
WALTER P. COOKE, LL.D. (B.)		Buffalo
FRANK H. HISCOCK, A.B. (B.)		Syracuse
J. DUPRATT WHITE, B.L. (B.)		New York
FRANK E. GANNETT, A.B. (A.)		Rochester
EZRA B. WHITMAN, C.E. (A.)		Baltimore, Md.
FRANK H. MILLER, V.S. (G.)		New York
JARED T. NEWMAN, Ph.D., LL.B. (B.)		Ithaca
ROBERT H. TREMAN, B.M.E. (B.)		Ithaca
MYNDERSE VAN CLEEF, B.S. (B.)		Ithaca
MARY M. CRAWFORD, A.B., M.D. (A.)		New York
S. WILEY WAKEMAN, M.E. (A.)		Quincy, Mass.
†THOMAS B. WILSON (G.)		Hall
CHARLES E. TREMAN, B.L. (B.)		Ithaca
HENRY HERMAN WESTINGHOUSE (B.)		New York
ROGER B. WILLIAMS, A.M. (B.)		Ithaca
BANCROFT GHERARDI, M.E., M.M.E. (A.)		New York
J. F. SCHOELLKOPF, JR., A.B. (A.)		Buffalo
MYRON C. TAYLOR, LL.B. (G.)		New York
WILLIAM F. PRATT (Gr.)		Batavia

FACULTY REPRESENTATIVES

FRANK THILLY, Ph.D., LL.D.	Ithaca
GEORGE F. WARREN, Ph.D.	Ithaca
HERMAN DIEDERICH, M.E.	Ithaca

*Term of office expires in 1929, the next group of six in 1930, etc. B, elected by the Board; A, elected by Alumni; G, appointed by Governor; Gr, elected by State Grange.

†Died January 11, 1929.

MEDICAL COLLEGE COUNCIL.

At the foundation of the Medical College the following resolution establishing a Medical College Council and determining its functions was adopted by the Board of Trustees of Cornell University.

Resolved, That for the purpose of making recommendations to the Board of Trustees or the Executive Committee in relation to the business management of the Medical College there be established, and there is hereby established, a Medical College Council which shall consist of seven members, to wit: the President of the University (who shall be *ex-officio chairman*), the Dean of the Medical College, and three trustees to be elected by the Board of Trustees or the Executive Committee, who shall be appointed, one for one year, one for two years, and one for three years, and their successors to be appointed for three years, and two members of the Faculty, to be elected by the Faculty, who shall be appointed, one for one year and one for two years, and their successors to be appointed for two years, and that all appointments to fill vacancies be made for unexpired terms.

The Council at present consists of the following members:

LIVINGSTON FARRAND, President of the University and Chairman, *ex-officio*, of the Council.

G. CANBY ROBINSON, Director New York Hospital-Cornell Medical College Association.

H. H. WESTINGHOUSE,
R. H. WILLIAMS,
MYRON C. TAYLOR, } of the Board of Trustees.

WILLIAM J. ELSER,
JOHN A. HARTWELL, } of the Faculty.

J. THORN WILLSON, Secretary.

CORNELL UNIVERSITY MEDICAL COLLEGE

FACULTY OF MEDICINE.

LIVINGSTON FARRAND, A.M., M.D., L.H.D., LL.D.,
President.

G. CANBY ROBINSON, A.B., M.D., LL.D.,
Director New York Hospital-Cornell Medical College Association, Professor of Medicine.*

FREDERIC S. DENNIS, A.B., M.D., F.R.C.S.,
Professor of Clinical Surgery, Emeritus.

GEORGE THOMPSON ELLIOT, A.B., M.D.,
Professor of Clinical Medicine, Department of Dermatology, Emeritus.

J. CLIFTON EDGAR, PH.B., A.M., M.D.,
Professor of Obstetrics, Emeritus.

GEORGE WOOLSEY, A.B., M.D.,
Professor of Clinical Surgery, Emeritus.

IRVING S. HAYNES, PH.B., M.D., Sc.D.,
Professor of Clinical Surgery, Emeritus.

JOHN ROGERS, A.B., PH.D., M.D.,
Professor of Clinical Surgery, Emeritus.

FREDERICK WHITING, A.M., M.D.,
Professor of Clinical Medicine, Department of Otolaryngology, Emeritus.

JAMES EWING, A.M., M.D., Sc.D.,
Professor of Pathology, Director of Cancer Research, Memorial Hospital.

LEWIS A. CONNER, PH.B., M.D.,
Professor of Medicine, Physician to New York Hospital, Consulting Physician to Bellevue, Woman's and Memorial Hospitals, and New York Infirmary for Women and Children.

GRAHAM LUSK, PH.D., Sc.D., LL.D., F.R.S. (Edin.),
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G. CANBY ROBINSON, M.D.
JOHN A. HARTWELL, M.D.
WILLIAM J. ELSER, M.D.

WALTER C. KLOTZ, M.D.
RUSSELL L. CECIL, M.D.
WILLIAM A. WILSON, M.D.

Director

WALTER C. KLOTZ, M.D.

Department of Medicine.

Chief of Clinic

RUSSELL L. CECIL, M.D.

Physicians

WALTER H. BRUNDAGE, M.D.
CONNIE M. GUION, M.D.
HENRY B. RICHARDSON, M.D.
BERTON LATTIN, M.D.

NANCY JENISON, M.D.
DAN H. WITT, M.D.
EDMUND R. P. JANVRIN, M.D.
GEORGE B. EMORY, M.D.

Assistant Physicians

HAROLD STEWART BELCHER, M.D.
THEODORE J. CURPHEY, M.D.
LEILA COSTON CONNER, M.D.
NEIL C. STEPHENS, M.D.
HARRY S. BERKOFF, M.D.
EDWIN T. HAUSER, M.D.
HELEN GAVIN, M.D.
WINNIFRED KIRK, M.D.
MALCOLM K. SMITH, M.D.
JOSEPH YASWEN, M.D.
ENID CRUMP, M.D.
ADA C. REID, M.D.
NORMAN PLUMER, M.D.

BENJAMIN H. ARCHER, M.D.
J. RANDOLPH QUINN, M.D.
LOUIS A. HAUSER, M.D.
ANNA PLATT, M.D.
LEON I. LEVINE, M.D.
EVELYN HOLT, M.D.
EPHRAIM SHORR, M.D.
WHEELAN D. SUTLIFF, M.D.
EDWARD TOLSTOI, M.D.
HARRIET WHITE, M.D.
KIRBY MARTIN, M.D.
MAURICE KAGAN, M.D.
THERESA SCANLON, M.D.

Department of Medicine, Gastro-Enterology.

Physicians

SYDNEY WEINTRAUB (*In charge*)

DOUGLASS PALMER, M.D.

Assistant Physicians

NANCY JENISON, M.D.
MICHAEL LAKE, M.D.
JEANNETTE JENNISON, M.D.
STEPHEN WHITE, M.D.

NATHANIEL B. STANTON, M.D.
HERMAN PHILLIP, M.D.
JAMES H. WHALEY, M.D.
ELIZABETH KNOX, M.D.

Department of Medicine (Diabetes).

Physician

HENRY JAMES SPENCER, M.D.

Assistant Physician

EVELYN HOLT, M.D.

Department of Medicine (Arthritis).

Physician

BENJAMIN H. ARCHER, M.D.

Assistant Physicians

KRISTIAN G. HANSSON, M.D.

WENDELL J. STAINSBY, M.D.

Department of Medicine (Asthma).

Physician

HORACE S. BALDWIN, M.D.

Assistant Physicians

HAROLD S. BELCHER, M.D.
WHEELAN DWIGHT SUTLIFF, M.D.

HARRY S. BERKOFF, M.D.
EVELYN HOLT, M.D.

AARON D. SPIELMAN, M.D.

Department of Medicine (Endocrine).

Physician

CONNIE M. GUION, M.D.

CORNELL UNIVERSITY MEDICAL COLLEGE

Department of Medicine (Tuberculosis).

Physician

EDMUND R. P. JANVRIN, M.D.

Assistant Physician

CHARLES KAUFMAN, M.D.

Department of Medicine (Cardiac).

Physician

BERTON LATTIN, M.D.

Assistant Physicians

ARTHUR M. MASTER, M.D.

WILLIAM B. VANCE, M.D.

Department of Medicine (Overweight.)

Physician

HENRY JAMES SPENCER, M.D.

Assistant Physician

RALPH A. ECKHARDT, M.D.

WALTER S. MCCLELLAN, M.D.

Department of Surgery.

Chief of Clinic

RUSSEL H. PATTERSON, M.D.

Surgeon

JOHN E. SUTTON, JR., M.D.

Assistant Surgeons

LEWIS C. WAGNER, M.D.

RALPH C. KAHLE, M.D.

ROBERT K. FELTER, M.D.

Department of Dentistry

Surgeon

LOUIS WACK, D.D.S.

Assistant Surgeon

MAX HALPERN, D.D.S.

Department of Pediatrics.

Chief of Clinic

PHILIP MOEN STIMSON, M.D.

Physician

HELEN HARRINGTON, M.D.

Assistant Physicians

GEORGE C. LUDLOW, M.D.

HAROLD T. VOGEL, M.D.

VIRGINIA T. WEEKS, M.D.

ELIZABETH BRAKELEY, M.D.

Department of Obstetrics and Gynecology.

Chief of Clinic

JOHN F. McGRATH, M.D.

Surgeon

LYNN L. FULKERSON, M.D.

Assistant Surgeons

S. SCHMERZLER, M.D.

THOMAS A. IOVINO, M.D.

LOUIS P. BIRO, M.D.

ROBERT G. DUNOVANT, M.D.

ELEANOR J. MURPHY, M.D.

ISABEL KNOWLTON, M.D.



FACULTY OF MEDICINE

Department of Public Health and Preventive Medicine.

Physician

HARRY H. HAMILTON, M.D.

Assistant Physician

EMANUEL W. BILLARD, M.D.

ANNA PLATT, M.D.

HARRY S. BERKOFF, M.D.

MARY PUTNAM, M.D.

Department of Urology.

Chief of Clinic

WILLIAM A. WILSON, M.D.

Assistant Surgeons

MIGUEL ALVAREZ, M.D.

LISLE B. KINGERY, M.D.

LEO MARQUITH, M.D.

WENDELL J. WASHBURN, M.D.

LOUIS NEUWELT, M.D.

ROBERT F. ZEISS, M.D.

ROBERT T. FINDLAY, M.D.

PAUL M. BUTTERFIELD, M.D.

THOMAS J. KIRWIN, M.D.

ROY B. HENLINE, M.D.

THOMAS P. BURRUS, M.D.

MICHELE IOVINE, M.D.

WILLIAM R. DELZELL, M.D.

FRED ADAMS, M.D.

Department of Neurology.

Chief of Clinic

THOMAS K. DAVIS, M.D.

Physicians

LEWIS D. STEVENSON, M.D.

WALTER M. KRAUS, M.D.

ALFRED H. EHRENCLOU, M.D.

Assistant Physicians

THEODORE W. NEUMAN, M.D.

RHODA MURIEL IVIMEY, M.D.

PATRICK H. CARROLL, M.D.

LUCY C. MILLER, M.D.

AARON BELL, M.D.

WENDELL MITCHELL, M.D.

NATHANIEL E. SILVERMAN, M.D.

MIGUEL STEINBERG, M.D.

Department of Psychiatry.

Chief of Clinic

JOSEPH P. EIDSON, M.D.

Attending Physicians

AUGUST E. WITZEL, M.D.

Z. RITA PARKER, M.D.

THOMAS H. HAINES, M.D.

MICHAEL P. LONERGAN, M.D.

HENRY WOOD ALLEN, M.D.

Psychologist

ELAINE KINDER, PH.D.

Department of Dermatology.

Chief of Clinic

J. FRANK FRASER, M.D.

Physicians

RAY H. RULISON, M.D.

ARTHUR F. KRAETZER, M.D.

ANDREW J. GILMOUR, M.D.

JOHN H. HARRIS, M.D.

HENRY D. NILES, M.D.

Assistant Physicians

FRANCIS JOHN BOHRENE, M.D.

JULIA V. LICHTENSTEIN, M.D.

WILLIAM M. ALLEN, M.D.

MERLIN J. SIONE, M.D.

CORNELL UNIVERSITY MEDICAL COLLEGE

Department of Otology.

Chief of Clinic

GEORGE B. MCAULIFFE, M.D.

Surgeon

GERVAIS W. MCAULIFFE, M.D.

EMMETT C. FITCH, M.D.

Assistant Surgeons

CARL FORNELL, M.D.

ANNE M. BELCHER, M.D.

EDWARD M. PULLEN, M.D.

JACOB APPLEBAUM, M.D.

WILLIAM J. JACKSON, M.D.

THOMAS J. GARRICK, M.D.

Department of Laryngology and Rhinology.

Chief of Clinic

ARTHUR PALMER, M.D.

Surgeons

THOMAS A. MULCAHY, M.D.

WILLIAM J. JACKSON, M.D.

Assistant Surgeons

ANNE M. BELCHER, M.D.

EMMETT C. FITCH, M.D.

THOMAS J. GARRICK, M.D.

SAMUEL F. KELLY, M.D.

HERBERT GRAEBNER, M.D.

WILLIAM H. AYRES, M.D.

JAMES O. MACDONALD, M.D.

EDWARD M. OVERTON, M.D.

Department of Orthopedic Surgery.

Chief of Clinic

ARTHUR H. CILLEY, M.D.

Surgeon

JOHN S. WARE, M.D.

Assistant Surgeon

JOSEPH H. GASTON, M.D.

Department of Roentgenology.

Chief of Clinic

JOHN R. CARTY, M.D.

Surgeon

FRANCIS J. OSBORNE, M.D.

Assistant Surgeons

DOUGLAS PALMER, M.D.

WILLIAM M. ARCHER, M.D.

MICHAEL LAKE, M.D.

Department of Ophthalmology.

Chief of Clinic

SAMUEL P. OAST, M.D.

Surgeons

GEORGE W. VANDEGRIFT, M.D.

MILTON L. BERLINER, M.D.

Assistant Surgeons

MARC C. ANGELILLO, M.D.

SAMUEL SCHWARTZMAN, M.D.

TRUMAN L. BOYES, M.D.

Department of Drugs and Supplies.

Pharmacist

GUSTAVE T. RUCKERT, PH.G.

Assistant Pharmacist

CHARLES LENZ, PH.G.

GENERAL STATEMENT

GENERAL STATEMENT.

The Medical Department of Cornell University was made possible by the gift to the University of a commodious and fully equipped building designed for medical instruction, and by the bestowal of funds for the maintenance of a vigorous school of medicine.

The objects of this school are:

- (1) To develop physicians of the best type, and
- (2) To conduct researches into the nature and cure of disease.

The school offers educational and research facilities to all undergraduates and graduates in medicine who are properly qualified to benefit from these opportunities and who are in sympathy with these aims.

The Main College Building comprises a Medical School and Dispensary, with principal entrance on First Avenue, opposite Bellevue Hospital, and occupies the entire block between Twenty-seventh and Twenty-eighth Streets on First Avenue. The building is devoted to the Department of Anatomy, Clinical Pathology, Chemistry, Pathology, Bacteriology, Physiology, Medicine and their laboratory equipment.

The Loomis Laboratory (founded 1886 by the same munificent hand) serves the purpose of undergraduate instruction, in connection with the laboratories in the College building. It has also been reorganized as a research laboratory, and special departments have been established in bacteriology, physiological chemistry, experimental medicine and pharmacology.

The Cornell University Medical College Clinic, located in the main College building, is fully equipped for purposes of instruction.

The attendance in the Clinic averages about 550 patients daily and annually includes about 140,000 visits. The organization is such as to bring the Clinic into closest touch with the Laboratory and research facilities of the College.

The Department of Roentgenology as well as the Laboratory of Clinical Pathology is in direct connection with the Clinic, and by co-operation and co-ordination of work their services are placed at the constant disposal of the various other departments of the Clinic for the diagnosis and investigation of disease and for purposes of instruction.

Medical Social Service is included as one of the functions of the Clinic. This service is of assistance in discovering environmental factors in the cause and prevention of disease. It extends the scope of the medical staff in accordance with the postulates of adequate medical and hospital service.

The Library is supplied with current periodicals in German, French and English, which include nearly all of the more important journals in the field of medical science, and the back files of these periodicals include 12,000 bound volumes and 5,000 selected reprints and monographs. There is also a students' library of recent textbooks. Every effort is made to maintain a library commensurate with the needs of the College. A special reading room is provided for the convenience of students. A trained Librarian is in attendance to supply references and direct their work.

CORNELL UNIVERSITY MEDICAL COLLEGE

In addition to the College Library, students enjoy certain privileges at the Library of the New York Academy of Medicine, Fifth Avenue and 103d Street, the second largest medical library in the United States, and at the various public libraries of the city.

New York Hospital.—The Medical College, through the courtesy of the Governors of the New York Hospital, has long been accorded certain privileges for instruction in its wards. On the first of January, 1913, a definite arrangement was established between Cornell University and the New York Hospital, through the donation to the hospital of a generous fund by Mr. George F. Baker, a Governor of the Hospital, upon the condition that thereafter the pathological and half the entire medical and surgical services of the institution should be definitely assigned to the Cornell University Medical College for the advancement of its teaching and research.

By this arrangement the University nominates the Attending Staff of its division and the Laboratory Staff and secures the admission of its students to the wards as clinical clerks, thereby enabling the College to make a definite provision in its course of instruction and research for work in the New York Hospital. Furthermore, the Laboratory Staffs of the different departments of the Medical College are placed at the service of the Hospital for the purpose of extending its scientific work.

The hospital service thus assigned to the College comprises 100 beds. This service is exceedingly active. It includes several thousand acute and emergency cases brought in annually from a large ambulance and dispensary district.

The New York Hospital-Cornell Medical College Association.—In June, 1927, an agreement was entered into between Cornell University and the New York Hospital by which the New York Hospital-Cornell Medical College Association was formed.

The Purpose of this Association is to associate organically the two institutions and to cooperate the medical, educational and scientific activities which have been previously carried on by each institution.

The Association is operated under the supervision of a Joint Administrative Board composed of three Governors of the New York Hospital, three representatives of the Trustees of Cornell University and one other member elected by the appointed members. The Joint Administrative Board is composed as follows:

Edward W. Sheldon, <i>Chairman</i>	Livingston Farrand
William Woodward	J. DuPratt White
Frank L. Polk	Walter L. Niles

J. Pierpont Morgan

G. Canby Robinson, M.D., is Director of the Association. Additional endowment has been secured by each institution. A group of buildings is being planned to be located along the East River between 68th and 71st Streets, adjoining the Rockefeller Institute for Medical Research. The new plant will afford separate buildings for each of the various laboratory departments,

GENERAL STATEMENT

and will include approximately 875 hospital beds. Hospital provisions will be made for obstetrics, pediatrics and psychiatry, as well as for medicine and surgery.

The faculty of the Medical College and the professional staff of the Hospital are to be reorganized so as to form one body which will be established on a University basis.

The new plant will be completed by the autumn of 1931, or soon thereafter. When it is occupied it will afford very favorable conditions for the conduct of medical education, for the pursuit of medical research, and for the care of patients in all phases of medical practice.

Bellevue Hospital.—This hospital, located on First Avenue, directly opposite the Main College building, has 1,200 beds, and receives 24,000 patients annually.

The hospital is organized in four divisions, one of which has been placed by the Trustees of the hospital at the disposal of the Faculty of the Cornell University Medical College for medical instruction. The services thus intrusted to the College include, continuously, 90 medical beds, 90 surgical beds, 60 to Urology, a Neurological Service, and for one-half the year 54 obstetrical beds, together with equal privileges with the other three divisions, giving continuous opportunity for instruction and research in the additional wards devoted to the treatment of alcoholic diseases, tuberculosis and the psychopathic diseases. There are also available 60 beds for instruction in Gynecology by members of the staff assigned to this duty by the Cornell University Medical College.

The visiting staff of the Second, or Cornell Division is drawn entirely from the Faculty and instructors of the College, and by co-operation with the Medical Board of the Hospital this division has been organized with a view to the best interests of the patients, as well as with a view to furnishing adequate facilities for instruction. The students spend a considerable portion of the fourth year in this hospital as clinical or surgical "clerks," and during the preceding years frequent clinical instruction is conducted in its wards, as fully described under "Details of the Plan of Instruction."

While Bellevue Hospital is provided with an elaborate Department of Pathology of its own, the scope of the hospital work of the Cornell Division is broadened by the intimate relation existing between the laboratories of the Medical College and the medical service of the hospital. In addition to the staff provided by the hospital, the College maintains a corps of research workers and special assistants who conduct their routine examinations in extension laboratories equipped by the College in rooms adjacent to the wards of the hospital, and who consummate their major investigations in the more completely equipped laboratories of the College building.

The Professors of Medicine and Surgery are directly responsible to the University for the conduct of the instruction in Bellevue Hospital.

Memorial Hospital.—Through the generosity of the late Dr. James Douglas who provided the Hospital an endowment for the study and treatment of cancer and allied diseases, the Memorial Hospital became affiliated in 1914 with Cornell University Medical College.

CORNELL UNIVERSITY MEDICAL COLLEGE

The conditions upon which this union was consummated place upon Cornell University Medical College the responsibility for the medical and surgical activities of the hospital, subject however, so far as administrative action is concerned, to the approval of its Board of Managers. Cornell University Medical College is required to approve the five medical members of the Board of Managers of the Memorial Hospital, to nominate their successors in case of vacancies, and to name the medical and surgical staff, subject to the approval of the Board of Managers of the Hospital.

In accordance with these conditions, and with the approval of the Board of Managers of the Hospital, the Medical Staff has been organized as follows:

JAMES EWING, M.D., *President of the Medical Board, Director of Cancer Research, Pathologist.*

WILLIAM B. COLEY, M.D., *Vice-President of the Medical Board, Professor of Cancer Research, Attending Surgeon.*

WILLIAM S. STONE, M.D., *Clinical Director.*

STANLEY R. BENEDICT, PH.D., *Director Department of Chemistry.*

BURTON J. LEE, M.D., *Attending Surgeon.*

BENJAMIN S. BARRINGER, M.D., *Attending Surgeon, Urological Department.*

DOUGLAS QUICK, M.D., *Attending Surgeon.*

WILLIAM P. HEALY, M.D., *Attending Gynecologist.*

LLOYD F. CRAVER, M.D., *Attending Physician.*

FRANK E. ADAIR, M.D., *Attending Surgeon.*

RALPH E. HERENDEEN, M.D., *Roentgenologist.*

ARCHIE L. DEAN, JR., M.D., *Associate Attending Surgeon.*

NATHAN GREEN, M.D., *Associate Attending Surgeon.*

GEORGE E. BINKLEY, M.D., *Associate Attending Surgeon.*

BRADLEY L. COLEY, M.D., *Assistant Surgeon.*

SAMUEL C. JOHNSON, M.D., *Assistant Surgeon.*

JAMES J. DUFFY, M.D., *Assistant Surgeon.*

HAYES E. MARTIN, M.D., *Assistant Surgeon.*

FRANK R. SMITH, M.D., *Assistant Gynecologist.*

BYRON STOOKEY, M.D., *Neurological Surgeon.*

GEORGE HALL HYSLOP, M.D., *Neurologist.*

NORMAN E. TREVES, M.D., *Clinical Assistant.*

JOHN T. TOOLE, M.D., *Clinical Assistant.*

MAX CUTLER, M.D., *Clinical Fellow.*

JOHN T. PACK, M.D., *Clinical Fellow.*

JOHN W. SPIES, M.D., *Clinical Fellow.*

HARRY LANDESMAN, M.D., *Anaesthetist.*

ALFRED E. PHELPS, M.D., *Anaesthetist.*

FRANK L. ENGEL, D.D.S., *Dentist.*

GIOACCHINO FAILLA, E.E., D.Sc., *Physicist.*

EDITH H. QUIMBY, M.A., *Assistant Physicist.*

HELEN Q. WOODWARD, PH.D., *Chemist.*

KANEMATSU SEGUIRA, A.M., Sc.D., *Chemist.*

HELEN R. DOWNS, PH.D., *Chemist.*

GENERAL STATEMENT

ELISE S. L'ESPERANCE, M.D., *Serologist.*

JOHN C. TORREY, M.D., *Bacteriologist.*

HALSEY J. BAGG, PH.D., *Biologist.*

CLARENCE R. HALTER, B.S., A.M., *Assistant in Biology.*

WOLFGANG PAULI, PH.D., *Biophysicist.*

WARE CATTELL, A.B., *Assistant in Biophysics.*

Since 1904 the work of the Memorial Hospital in Cancer Research has been conducted in the laboratories of Cornell University Medical College under the general direction of the Department of Pathology, and with the collaboration of heads of other departments. Later through the support of Dr. James Douglas, and the co-operation of the Board of Managers, it has been extended to the laboratories of the Memorial Hospital. A laboratory building accommodating pathology, biology, chemistry and physics has been erected.

The organization of this work includes pathology, Prof. Ewing; bacteriology, Prof. Torrey; chemistry, Prof. Benedict; biology, Prof. Stockard; pathology, Prof. L'Esperance.

Clinical studies in the diagnosis, natural history, and treatment of neoplastic diseases are conducted in the hospital by the members of the Staff. The general conduct of the ward service is in charge of Dr. Wm. S. Stone, Clinical Director. Several fellowships in the clinical study of cancer are available for young physicians who wish to become specialists in the diagnosis and treatment of cancer. The Radium Department is in charge of Dr. Douglas-Quick. Other special departments are conducted by Drs. B. S. Barringer, Burton J. Lee, William P. Healy and others. The physics laboratory is in charge of Mr. Gioacchino Failla, Physicist, and four assistants. It possesses eight grams of radium metal. The X-ray Department is in charge of Dr. Ralph E. Herendeen, Roentgenologist. Prof. Walter F. Wilcox is Consulting Statistician.

The John E. Berwind Maternity Clinic.—An affiliation having been consummated between the John E. Berwind Maternity Clinic and Cornell University Medical College, the medical direction of the Clinic is placed under the control of Cornell. The medical staff including the resident and house staffs are appointed by the Clinic, only on nomination by the Medical College.

Cornell students are definitely assigned to the Clinic for practical instruction under the direction of the Professor of Obstetrics and Gynecology.

Cornell students having been provided for, vacancies in the student staff will be filled by appointment. Application for such assignments should be made to the Superintendent of the Clinic at 125 East 103rd Street, New York City.

The Russell Sage Institute of Pathology.—The Russell Sage Institute of Pathology has been affiliated with the Second Medical (Cornell) Division of Bellevue Hospital since 1913. Endowed by Mrs. Russell Sage in 1907, it has provided funds for research work in pathology and medicine. Laboratory space has been generously given by the trustees of Bellevue Hospital and clinical facilities have been furnished by the Cornell Medical Division. The Institute has constructed and equipped a respiration calorimeter and has maintained a

CORNELL UNIVERSITY MEDICAL COLLEGE

metabolism ward adjacent to the general wards of the division. The research workers have been members of the hospital staff and have assisted in the care of patients and the instruction of students. The metabolism ward, chemical laboratories and calorimeter furnish unusual facilities for teaching the diseases of metabolism.

The staff is as follows:

GRAHAM LUSK, PH.D., *Scientific Director.*

EUGENE F. DU BOIS, M.D., *Medical Director.*

HENRY B. RICHARDSON, M.D., *Research Fellow.*

WALTER S. MCCLELLAN, M.D., *Research Fellow.*

EPHRAIM SHORR, M.D., *Research Fellow.*

ROBERT O. LOEBEL, M.D., *Research Fellow.*

G. F. SODERSTROM, *Calorimeter Technician.*

MABEL QUINTO, R.N., *Head Nurse.*

The New York Nursery and Child's Hospital.—By courtesy of the Trustees of this Hospital, Cornell Students are there instructed in Pediatrics. The Hospital offers splendid opportunities for the study of infants and children. There are seventy two beds on the Pediatric service, and in addition there is in the same building an active maternity service.

The out patient department has an average yearly attendance of 8,000 infants and children, with special classes in Feeding; Malnutrition; Syphilis; Eczema and Cardiac diseases. Both the indoor and outdoor services are utilized for teaching purposes. The members of the teaching staff have official connection with the hospital.

The Neurological Institute.—By courtesy of the Neurological Institute section work in Nervous Diseases is offered to third and fourth year students in the wards and Out-Patient Department of this hospital, the students being assigned for ward work in small sections during the fourth year. The Neurological Institute is a hospital of considerable size, devoted to the care of nervous diseases and possessing a complete equipment for neurological examinations, diagnosis and treatment.

Manhattan State Hospital, Ward's Island.—This hospital for the care and treatment of mental diseases, accommodates over 5,000 patients. Through the courtesy of the Superintendent the Professor of Psychiatry is enabled to utilize this clinical material for bedside study of patients and practical exercises and demonstrations conducted in the wards of the hospitals.

Other Hospitals.—In addition to the above, members of the Faculty of Cornell University Medical College hold appointments in various hospitals and dispensaries of the city, and are thus enabled to utilize for teaching purposes a great quantity and variety of clinical material. This is used from time to time as necessity or opportunity arises. The major part of the bedside and clinical instruction is, however, purposely conducted in Bellevue Hospital, which is directly opposite the College, and in New York Hospital, which is conveniently located on Fifteenth Street, and may be reached in fifteen to twenty minutes.

REQUIREMENTS FOR ADMISSION

REQUIREMENTS FOR ADMISSION.

The Faculty of the Cornell University Medical College are of the opinion that candidates for admission to the medical profession should possess the liberal culture and general education implied by a college degree in Arts or Science. Since 1907 a standard of admission which requires the baccalaureate degree or its equivalent has been rigidly maintained. Without attempting to enter into a discussion of the relative advantages of the courses in Science or Arts, the President and Trustees of Cornell University adopted the requirements advised by the Faculty of the Medical College for admission to the course leading to the degree of M.D. and *only the following classes of candidates are admitted to the Cornell University Medical College.*

I. Graduates of approved colleges or scientific schools; *or*—

II. Seniors in good standing in approved colleges or scientific schools upon condition that their faculty will permit them to substitute the first year in the Cornell University Medical College for the fourth year of their college course, and will confer upon them the bachelor's degree* upon the satisfactory completion of the year's work; *or*—

III. Persons who give evidence by examinations that they have acquired an equivalent education to that signified by a bachelor's degree, and training sufficient to enable them to profit by the instruction offered in the Medical College.

All Candidates for Admission, whether of group I, II, or III, shall have satisfactorily completed in an approved college, at least the following minimum in—

1. Physics, 8 semester hours, including laboratory.

2. Chemistry, 12 semester hours (8 hours of inorganic, including qualitative analysis and 4 hours of organic chemistry). The course should have included at least fifty hours of didactic work; not less than eighty hours of laboratory work in inorganic chemistry; and at least 70 hours of laboratory work in *qualitative analysis*. In addition, the candidate shall have satisfactorily completed courses in at least 36 hours of didactic and 80 hours of laboratory work in *organic chemistry*. Quantitative Analysis is recommended but not required. It is advised that students acquire all the knowledge of chemistry possible in their preparatory years.

3. Biology (Zoology), 6 semester hours, including laboratory work.

Note.—In addition to this minimum requirement, a course in General Histology with Embryology including the early development of the frog and chick is very desirable. Courses in the Comparative Anatomy of Vertebrates and Elementary Histological Technique are also recommended.

4. English, 6 semester hours.

5. Modern language, 6 semester hours—French, German, Italian or Spanish.

*No student under the clause is permitted to enter the second year of the medical curriculum without the bachelor's degree obtained after at least three years of undergraduate college work. Clause II is intended to provide for those students who, by specially directed or by specially proficient work accomplish the essential requirements for a B.S. or B.A. degree during three years of College residence.

CORNELL UNIVERSITY MEDICAL COLLEGE

6. Two additional semester hours of college credit will be required in each of the three subjects, Biology, English and Modern language, in which no introductory high school course was offered for admission to college.

7. All applicants, when requested, are required to present themselves *in person by appointment* at the office of the Secretary; their credentials should have been previously submitted. All applicants must submit with their application a recent photograph.

IV. All students entering Cornell University Medical College are required to provide themselves with a satisfactory microscope.

V. Not more than sixty-five students will be admitted to the first year in Medicine; approved applicants for advanced standing will be admitted to subsequent years only when the number registered falls below sixty.

VI. The number of students in this Medical College having been limited that its advantages may be equalized to all parts of the state and country, not more than five students from any one college will be admitted to the first year class.

The Trustees felt that it was unfair to refuse the exceptional student of unusual abilities who has obtained independently an education equivalent to that implied by a degree from a college or scientific school, and there will therefore be examiners appointed from the faculties in the different colleges of Cornell University to determine the qualifications of such as may apply for admission under Rule III of these requirements. The committee in charge of the administration of this rule consists of the President of the University and the Deans of the Faculties of Arts and Sciences and of Medicine. The only instance of admission under Rule III yet encountered involved a graduate of a foreign institution of collegiate rank which grants no degrees.

APPLICATIONS FOR ADMISSION

All applications and communications are to be addressed to the Secretary of the Medical College from whom blank forms of application for admission may be obtained.

Prospective students will find it to their advantage to file their application early. The number of admissions being limited, to insure favorable consideration, *applications for admission to the first year should be received not later than March 1st*, and should in all cases be accompanied by a transcript of the college record to date. The required letters of recommendation from two science professors under whom the student has recently worked should be forwarded at the same time. A photograph must accompany the application.

Inasmuch as all students of medicine in New York State are required by law to have previously had an adequate preliminary education, and as this preliminary education must be certified as sufficient by the State Educational Department, it is advisable that applicants for admission send their credentials to the Secretary of the Medical College in properly attested form as promptly as possible, that the secretary may then obtain the requisite "medical student's certificate" from the State authorities.



REQUIREMENTS FOR ADMISSION

ADMISSION TO ADVANCED STANDING

Applicants for advanced standing must have met in full the requirements for admission (page 29), and must have already attended the legally required number of sessions in an approved regular medical college. Whenever vacancies arise applicants thus qualified may be admitted to the Cornell University Medical College under the following conditions:

1. A properly attested certificate of actual attendance at a registered Medical College for the full number of years of medical study for which time credit is asked must be presented and approved.

2. A certificate showing that the student has satisfactorily completed in an approved medical college the work of all required subjects of the years for which Cornell credit is asked must be presented and approved.

3. Subject credit may be granted on presentation and approval by the heads of departments of properly attested certificates stating the courses already completed in an approved medical college with the number of hours, didactic and laboratory, devoted thereto, together with the name of the instructor.

4. In the absence of approval of the certificate called for in the preceding paragraph (number 3) subject credit for advanced standing will be granted only by examination in all of the subjects previously pursued by the class to which admission is desired. For a list of the subjects for examination see page 86.

Examinations for admission to advanced standing are conducted by heads of departments and may be taken with the class at the end of the session in June or prior to the opening of the session in September. For dates of examinations, see calendar, page 5.

ADMISSION TO COURSES FOR GRADUATES

Graduates in medicine, or students who desire to pursue a special course without graduation, are admitted to registration as special students, after approval by the head of the department conducting the course. Such special courses do not count in any way as part of the four years' course required of candidates for the degree of doctor in medicine. The courses offered to graduates are outlined on pages 91 to 94. Further information regarding such courses, fees, etc., may be obtained by addressing the Secretary of the Cornell University Medical College, 477 First Avenue, New York City.

REQUIREMENTS FOR LICENSE TO PRACTICE MEDICINE IN THE STATE OF NEW YORK

Graduates of Cornell University are admitted unconditionally to the examinations for license to practice medicine in the State of New York as well as all other states. Further information as to the nature of the requirements of the

CORNELL UNIVERSITY MEDICAL COLLEGE

New York State law regulating the practice of medicine may be obtained by consulting the handbook issued for gratuitous distribution by the Professional Examinations Bureau, New York State Education Department at Albany, N. Y.

All requirements for admission to examinations for license should be filed with the State Education Department at least fifteen days before examination.

Examinations for license to practice medicine in this State will be held as follows:

1929	1930
Jan. 28-31	Jan. 27-30
June 24-27	June 23-26
Sept. 23-26	Sept. 15-18

Places

New York, Albany, Syracuse, Buffalo.

NATIONAL BOARD OF MEDICAL EXAMINERS

Students and graduates of the Cornell University Medical College are admitted to the examinations of this Board, whose certificate is accepted by the Surgeons-General of the Army and Public Health Service of the United States and by the boards of medical licensure of thirty-seven states, Porto Rico, Hawaii and the Canal Zone. This Certificate is also recognized by the respective authorities of England, Scotland and Spain. The dates and places of the examination will be announced as promulgated by the Board. In 1929 examinations will be held February 13-15, June 17-19 and September 16-18.

CHARGES FOR INSTRUCTION

First Year

Matriculation	\$10.00
Tuition	500.00
	—————\$510.00*

Second Year

Tuition	500.00
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Third Year

Tuition	500.00
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Fourth Year

Tuition	500.00
Final Examination Fee	25.00
Practical Obstetrics†	10.00
	—————\$535.00

*An advance payment of \$100.00 on account of tuition is required on acceptance of an application for admission, and is not returnable.

The matriculation fee is payable only once, on entrance.

The final examination fee is payable on registering for graduation. All other fees are payable at the beginning of the term, but in special cases the tuition fee may be paid semi-annually in advance. Owing to the limitation in size of the classes, no refund nor rebate will be made in any case.

†A fee of \$10.00 is required in the fourth year, to be paid to The John E. Berwind Free Maternity Clinic for the course in Practical Obstetrics.

REQUIREMENTS FOR ADMISSION

Each student is required to pay the clerk of the College the following amounts to cover breakage in the Laboratories and Dispensary Departments:

1st year, Laboratory and Clinic	\$10.00
2d year, Laboratory and Clinic	10.00
3d year, Laboratory and Clinic	10.00
4th year, Laboratory and Hospital	10.00

These deposits, less the amount charged for breakage, will be returned at the end of each year.

All fees for instruction are paid to the Treasurer's Office of the Medical College.

Tickets must be taken out and paid for at the beginning of the session.

For Fees of Special Students see pages 91 to 94.

For Fees to Graduate Students see page 95.

LOCATION AND MODE OF ACCESS

The main building of Cornell University Medical College is located on First Avenue between 27th and 28th Streets.

The crosstown cars on Twenty-third and Thirty-fourth Streets, at First Avenue, pass within five blocks of the College buildings. Convenient stations of the subway lines are located at Twenty-eighth Street and Fourth Avenue, at Twenty-eighth Street and Broadway, and Twenty-eighth Street and Seventh Avenue. The nearest stations of the Interborough Elevated Railway are at Twenty-eighth Street on the Third Avenue and Sixth Avenue lines and at Twenty-third Street on the Second Avenue line. The Hudson Tubes station is at Twenty-eighth Street and Sixth Avenue.

GENERAL STATEMENT OF THE PLAN OF INSTRUCTION.

The function of a Medical Department in a University is primarily to produce practitioners of medicine of the highest possible efficiency. The school must include among its students not only those whose life is to be spent in the treatment of disease, but those who intend to become teachers of medicine or of the branches of natural science upon which medicine depends, as well as those who devote their energies to advancing these sciences by research and to work connected with the public service. The Medical Department of the University has therefore developed into a school whose students are to be prepared to become practitioners of medicine and surgery, teachers of these subjects and their subsidiary branches, and investigators of biological problems which pertain to human disease and preventive medicine. To reach this ideal, and to relieve the Medical Department from instruction in subjects which belong to natural science in general and not strictly to the medical curriculum, it is necessary that the students should have received the best possible preliminary education which must include the mental training implied by the *baccalaureate degree*.

In arranging the course of study the subjects pertaining to pure, rather than applied, science are grouped in the first year of the medical course, those of applied science in the early part of the second year, and the so-called clinical subjects in the second, third and fourth years.

The fourth year of the medical curriculum is devoted largely to clinical instruction in the various aspects of medicine and surgery, with bedside instruction and ample opportunity for the careful study of cases by continuous service in the hospital wards. Some opportunity for elective courses is allowed, but all students must take at least the minimum amount of the subjects which form the basis of the general practitioner's usefulness, and all are thus necessarily prepared for successfully undergoing the usual competition for appointments as hospital internes, positions in the public service of the State and Nation, and examinations for licensures by the States.

Any student of exceptional fitness, however, after having completed the first three years' work and who then desires to devote the major part of his time to one or more of the laboratory departments may do so during the fourth year. Such an arrangement can be made only with the approval of the Director and the heads of the departments concerned. The departments in which the student is engaged shall then determine whether his work has given such satisfaction as would warrant the degree at the end of the year.

Custom and experience are in favor of a long summer vacation, and the utilization of the cool months alone for teaching. The Faculty have therefore decided on a period of thirty-three actual working weeks exclusive of the time occupied by holidays and examinations. This working period is

GENERAL STATEMENT OF THE PLAN OF INSTRUCTION

divided into three terms, the first of twelve, the second of ten, and the third of eleven weeks. By this arrangement it is possible to obtain a certain degree of "concentration" in the teaching of those subjects in which that plan is advantageous, and it is thus also possible to maintain a proper sequence in the curriculum.

The extensive opportunity for continuous ward work afforded by the curriculum of the third and fourth years in no wise replaces the valuable work afforded by hospital internship, but is in a way preparatory thereto. Every graduate of this medical school is expected to pursue the usual interne service in some hospital, our graduates having little or no difficulty in obtaining the best positions under competitive examinations in addition to those appointments directly and indirectly controlled by this College. Without prolonged hospital training no physician should attempt to practice nor to teach; and no specialist can be worthy of the name who has not had the broad foundation insured by such a service.

For details of the course see Departmental Announcements, which follow, and the scheduled curriculum, pages 76 to 85.

DETAILS OF THE PLAN OF INSTRUCTION.

THE DEPARTMENT OF ANATOMY.

CHARLES R. STOCKARD, M.S., Ph.D., M.D., Sc.D., *Professor of Anatomy.*

CHARLES V. MORRILL, A.M., Ph.D., *Associate Professor of Anatomy.*

GEORGE PAPANICOLAOU, Ph.D., M.D., *Assistant Professor of Anatomy.*

JOSE F. NONIDEZ, Sc.D., *Assistant Professor of Anatomy.*

LOUIS HAUSMAN, A.B., M.D., *Associate in Neuro-Anatomy.*

WILLIAM L. SNEED, M.D., *Instructor in Applied Anatomy.*

PHILIP B. ARMSTRONG, B.S., M.D., *Instructor in Anatomy.*

JOSEPH L. SCHWIND, A.M., Ph.D., *Instructor in Anatomy.*

EMILIA M. VICARI, A.M., *Research Assistant in Anatomy.*

PAUL LANGE PHILLIPS, A.B., *Assistant in Anatomy.*

I. Morphology.

Structure of Man.—This course considers the structure of the various organs and systems of the human body in the light of their variations and evolutions. The relationship of the parts of the organs and systems are also explained by numerous facts gathered from experimental morphological studies on lower vertebrates.

The chief aim is to instill into the student the idea that animal structures are constantly changing and varying, yet are so definite as to lend themselves to logical analysis.

Laboratory, 40 hours (elective), and demonstration conferences, 22 hours (optional).

Reference Books.—Wiedersheim's *Comparative Anatomy* and *Bau des Menschen*, Wilder's *History of Man*, together with special works and monographs on the subject.

Professor Stockard.

II. Embryology and Histology.

The work in *embryology* presupposes a general knowledge of the subject, particularly that of the early development of the chick. It embraces a thorough study of the development of the mammalian embryo in the light of our knowledge of the evolution of the human body. Malformations resulting from developmental disturbances are broadly considered. A feature of the course is the close correlation with the course in *gross anatomy*.

The work in *histology* includes the histogenesis and microscopic structure of all of the organs of the human body with the exception of the central nervous system (see *neuro-anatomy*). Emphasis is laid on the relation of structure to function.

The tissues are studied principally by means of stained sections and tests are given for a rapid identification of their diagnostic features. Demonstrations of living material are made and opportunities are offered for acquiring the essentials of histological technique.

DETAILS OF THE PLAN OF INSTRUCTION

A part of the course is devoted to seminars on current literature.

Laboratory course and lectures—258 hours, October to March. Required of all first year students.

Text-books.—Patten, *Embryology of the Pig*; Lewis, *Text-book of Histology*; Keith, *Human Embryology and Morphology*; Schäfer, *Microscopic Anatomy*; scientific journals.

Assistant Professor Nonidez, Dr. Schwind and assistants.

III. Neuro-Anatomy.

A laboratory course on the gross and microscopic anatomy of the human central nervous system. Especial emphasis is laid on the more important pathways and their functions.

Laboratory and demonstrations, 88 hours. Required of all first year students during the third term.

Text-books.—Ranson, *Anatomy of the Nervous System*; Villiger's *Brain and Spinal Cord*; Herrick's *Introduction to Neurology* and any of the text-books of anatomy used in Course IV.

Associate Professor Morrill and Drs. Nonidez and Hausman.

IV. Gross Anatomy of the Human Body.

This is taught by means of laboratory exercises and dissections held in the dissecting room at stated hours.

The following are the courses required:

COURSE I. THE UPPER EXTREMITY.

COURSE II. THE HEAD AND NECK.

COURSE III. THE LOWER EXTREMITY.

COURSE IV. THE THORAX.

COURSE V. THE ABDOMEN AND PELVIS.

The required work in each of the above courses includes:

(a) Dissection of the part.

(b) Demonstrations, study, and discussion upon dissected and prepared specimens, and from standard text-books.

(c) An oral examination at the completion of each course.

Total laboratory hours, 350 (minimum.) First and second terms of the first year.

COURSE VI. A DEMONSTRATION COURSE. Optional for the first-year students. Demonstrations upon the cadaver, models and dissected preparations amplifying the courses in dissection during the first and second terms of the first year.

COURSE VII. STUDY ROOM COURSE IN LIVE ANATOMY.

Since the ultimate aim of dissection is to acquaint the student not merely with the arrangement of structures in the cadaver, but with the facts of the living body, this course follows as a natural sequence to the work of the dissecting room. Optional to first-year students.

COURSE VIII. DISSECTION REVIEW.

The work covers a repetition of Courses I-V, giving an opportunity for advanced dissection. Optional to students of the second, third or fourth year. Afternoons.

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COURSE IX. TOPOGRAPHICAL ANATOMY.—A study of the relations and topography of the parts of the body by means of frozen sections. Cleared preparations and living models are also used. Members of the class must submit a number of drawings made from the sections.

Laboratory, 36 hours. Required during the first term of second year.

Text-books.—Cunningham's *Manual of Practical Anatomy*, two vols.; Cunningham's *Text-book of Anatomy*; Spalteholz's *Atlas of Human Anatomy*; Morris' *Human Anatomy*; Gray's *Anatomy*; Piersol's *Human Anatomy*.

Professors Stockard, Morrill, Dr. Armstrong and assistants.

V. Applied Anatomy.

This course is given during the second term of the third year. It is conducted as a laboratory exercise and aims to demonstrate the important facts of regional and topographical anatomy as applied to the practice of medicine and surgery.

Laboratory, 60 hours (optional).

Text-books.—Woolsey's *Applied Surgical Anatomy*; Davis' *Applied Anatomy*.

Dr. Sneed and assistants.

VI. Elective Courses Preparatory to the Specialties.

Optional for students of the third and fourth years. These courses offer a thorough review of the embryology, histology and gross anatomy of the following organs and systems:

- (a) The eye.
- (b) The ear.
- (c) The face and neck, including especially the nose and accessory sinuses, the mouth and salivary glands, pharynx and larynx, thyroid and parathyroid glands.
- (d) The genito-urinary system, male and female.
- (e) The brain and spinal cord.
- (f) The thorax and abdomen.
- (g) The extremities, especially the joints and their mechanics.

Laboratory, 40 hours. Professor Stockard and instructors.

VII. Elective Courses for Advanced Students.

COURSE I. GENERAL HISTOLOGY.—This course will comprise a study of the various types of tissues which form the several organs of the vertebrate body. The structures will be studied not only from the mere morphological standpoint, but the various biological problems involved will be taken into consideration. The close relationship between structure and function will be elucidated.

Twenty lectures, March to June.

Registration not later than January. Assistant Professor Nonidez and Dr. Schwind.

COURSE II. THE ANATOMY OF THE INFANT.—A course of lectures amplified by demonstrations and the study of preparations.

Twenty lectures arranged for in advance. Professor Stockard.

DETAILS OF THE PLAN OF INSTRUCTION

COURSE III. DEVELOPMENT ARRESTS AND STRUCTURAL DEFICIENCIES.—A discussion of the imperfections in development which may occur during various periods from the maturation of the germ cells, fertilization of the egg on through embryonic and fetal development.

Fifteen lectures. Professor Stockard.

COURSE IV. EXPERIMENTAL EMBRYOLOGY.—These lectures begin with the history of the subject and the various aspects of the problems concerned. The experimental analysis of embryological processes is then considered from the several points of view.

Twenty lectures with conferences considering the recent literature of the subject. March to June. Professor Stockard.

COURSE V. REGIONAL ANATOMY.—This course will comprise a thorough review by means of dissections, demonstrations and reading of the gross anatomy, histology and development of selected regions of the body and of organs and organ systems.

Laboratory and demonstration, 3 half days a week for one month, April or May.

Associate Professor Morrill and assistants.

COURSE VI. APPLIED ANATOMY.—With special emphasis on fractures, dislocations, and injuries to the spine and extremities. The course will include eight conferences on Tuesdays and Thursdays from three until five P. M. beginning the first Tuesday in April.

Dr. Sneed.

COURSE VII. FOURTH-YEAR ELECTIVES.—The Department of Anatomy will arrange a schedule of work to fit individual cases for a limited number of *fourth-year students* desiring to devote the major part or all of their elective time. Such work will be designed, in cases where sufficient time is available, to equip the student to become a laboratory assistant.

VIII. Anatomical Research,

To students desiring to pursue research in anatomical subjects the equipment of the entire department is available. Members of the staff will gladly assign subjects and direct the progress of advanced work of this type. The work may be elected by students who enter with advanced credits, or by any student who has completed the preliminary courses in descriptive anatomy, histology and embryology. The course is also open to graduates in medicine or biology.

SUMMARY.

	<i>First Year.</i>	<i>Second Year.</i>
Morphology* .....	.....	.....
Embryology and Histology..	258 hours	.....
Gross Anatomy	350 hours	.....
Topographical Anatomy	36 hours
Neuro-Anatomy	88 hours
Applied Anatomy*

*Optional.

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PHYSIOLOGY.

GRAHAM LUSK, Ph.D., *Professor of Physiology.*

DAYTON J. EDWARDS, Ph.D., *Associate Professor of Physiology.*

McKEEN CATTELL, M.D., *Assistant Professor of Physiology.*

WILLIAM H. CHAMBERS, M.S., Ph.D., *Assistant Professor of Physiology.*

GRANT GUILLEMONT, A.B., *Student Assistant in Physiology.*

JOHN NOLL, A.B., *Student Assistant in Physiology.*

HERBERT POLLACK, A.B., *Student Assistant in Physiology.*

First Year.—Lectures, laboratory, recitations and a weekly seminar. Physiology of the muscle and nerve, the central nervous system, the special senses, digestion and internal secretions.

Second Year.—Lectures, laboratory, recitations and seminar. Physiology of the blood, circulation, respiration and metabolism.

SUMMARY.

	<i>First Year.</i>	<i>Second Year.</i>
Lectures	44 hours	45 hours
Recitations	22 hours	18 hours
Seminar .....	.....	9 hours
Laboratory	99 hours	81 hours

Text-books.—Starling's, Howell's or Macleod's *Physiology*; Lusk, *Science of Nutrition*; Wiggers, *Circulation in Health and Disease*; Collateral Reading, Scientific Journals.

CHEMISTRY.

STANLEY R. BENEDICT, Ph.D., *Professor of Chemistry.*

HUGH E. MORROW, A.B., *Instructor in Chemistry.*

EMIL OSTERBERG, *Instructor in Chemistry.*

JEANETTE ALLEN BEHRE, Ph.D., *Instructor in Chemistry.*

ELEANOR B. NEWTON, A.M., *Assistant in Chemistry.*

NATHAN F. BLAU, Ph.D., *Research Associate in Chemistry.*

The instruction in chemistry is concentrated in the first year, and is arranged upon the assumption that the student is already thoroughly grounded in the principles of chemistry and in physics. The object aimed at is to impart that fundamental knowledge of organic and physiological chemistry which is necessary to the comprehension of the bearings of chemistry upon physiology, pharmacology and medicine.

Lectures.—There are three conferences a week during the first term upon physical chemistry. The elements of the subject are presented with special emphasis upon the properties and reactions of colloids, and the theory of indicators. Roentgen and radium rays are also discussed.



DETAILS OF THE PLAN OF INSTRUCTION

During the second term two lectures a week are devoted to organic and physiological chemistry. The lectures discuss groups of compounds of especial biological importance, emphasizing especially the carbohydrates, purines, amino acids and the fats.

In the third term two lectures weekly are devoted to Physiological Chemistry.

Recitations and Conferences.—There is one recitation weekly during the third term. These recitations are largely in the nature of conferences.

Laboratory Work.—During the first term there is one session weekly of two and one-half hours in physical chemistry. The experiments are designed to familiarize the student with the fundamental properties of electrolytes and colloids, and to study the phenomena of osmosis and dialysis. Methods of hydrogen ion determination are also studied.

In the second term there are two sessions weekly of two and one-half hours in organic and physiological chemistry. This work is directed mainly to the preparation and examination of organic compounds of biological importance, and furnishes practice on those points in which laboratory manipulations are desirable.

During the third term there are two three-hour laboratory sessions in physiological chemistry. This course includes the study of the reactions of the carbohydrates, fats and proteins; of the composition of the salivary, gastric, pancreatic and intestinal secretions and the bile, and their actions in digestion; of the fæces, urine, blood and milk; and of the examination of pathological fluids, concretions, etc. The arrangement of this course is in coaptation with those in physiology and in clinical pathology.

In the laboratory courses each student is supplied with all apparatus and chemicals required.

Chemical Pathology.—Elective in the fourth year. A practical course in the chemical analysis of the blood. The laboratory work is supplemented by informal lectures and discussions. Hours to be arranged.

Research.—The laboratory is open during "optional hours" to students of any year who desire to prosecute advanced work or research, subject to the regulations of the office.

SUMMARY.

	<i>First Year.</i>
Recitations	23 hours
Laboratory	150 hours
Lectures	66 hours

Text-books.—Hawk, *Practical Physiological Chemistry*, eighth edition; Sumner, *Textbook of Biological Chemistry*. For Collateral Reading:—Mathews, *Physiological Chemistry*; Morse, *Applied Biochemistry*; Wells, *Chemical Pathology*; McCollum, *Organic Chemistry*, for students of Medicine and Biology.

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PHARMACOLOGY.

ROBERT ANTHONY HATCHER, Ph.G., M.D., *Professor of Pharmacology.*

HARRY GOLD, M.D., *Instructor in Pharmacology.*

HARVEY B. HAAG, Ph.G., M.D., *Assistant in Pharmacology.*

Work in this department is offered during the second and third years.

Pharmacology.

I. Laboratory.—Sixty-six hours are devoted to the study of the actions of drugs in the third trimester of the second year.

The experiments are designed to illustrate a wide range of pharmacologic actions, the more important drugs being considered with reference to their actions on different structures. Professor Hatcher and Dr. Gold.

II. Lectures.—Thirty-four hours are devoted to lectures, conferences and written reviews on Systematic Pharmacology in the first trimester of the third year. Professor Hatcher and Dr. Gold.

Materia Medica and Pharmacy.

III. Elementary Pharmacy and Toxicology.—Ten hours are devoted to the consideration of crude drugs, and making pharmacopœial preparations of the different pharmaceutical classes (such as extracts, pills, etc.,) by the students. Each laboratory exercise is preceded by an informal discussion of the work to be done and its relation to therapeutics. Dr. Haag.

IV. Prescription Writing. Elective.—A course of about eleven hours. Dr. Gold.

V. Research. Elective.—Students are encouraged to conduct original research under the supervision of the members of the staff. Such work affords a valuable insight into pharmacologic methods, and assists in the formation of a correct estimate of the original work of others.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>
Lectures and Conferences .....	.....	34 hours
Laboratory	66 hours	10 hours

Text-books.—Sollmann, *A Text-book of Pharmacology; A Laboratory Guide in Pharmacology.*

DEPARTMENT OF PATHOLOGY.

General Pathology, Pathological Anatomy, Experimental Pathology.

JAMES EWING, M.D., *Professor of Pathology.*

OTTO H. SCHULTZE, M.D., *Professor of Medical Jurisprudence.*

ELISE S. L'ESPERANCE, M.D., *Assistant Professor of Pathology.*

DOUGLAS SYMMERS, M.D., *Assistant Professor of Pathological Anatomy.*

JAMES DENTON, M.D., *Assistant Professor of Pathology.*

LAWRENCE W. SMITH, M.D., *Assistant Professor of Pathology.*

FRED W. STEWART, M.D., *Associate in Pathology.*

CHARLES S. B. CASSASSA, M.D., *Instructor in Pathological Anatomy.*

LEWIS D. STEVENSON, M.D., *Instructor in Neuro-Pathology.*

J. FRANK FRASER, M.D., *Instructor in Dermopathology.*

ARTHUR H. DODGE, M.D., *Instructor in Pathological Anatomy.*

CHARLES T. OLCOTT, A.B., M.D., *Instructor in Pathology.*

GILBERT DALLDORF, B.S., M.D., *Assistant in Pathology.*

MAX CUTLER, M.D., *Assistant in Pathology.*

DETAILS OF THE PLAN OF INSTRUCTION

GENERAL PATHOLOGY.

Facilities.—The department of pathology occupies the main part of the fourth floor of the college building, in which are a class room and working museum, demonstration room for pathological anatomy with refrigerating plant, a preparation room for pathological histology, four private laboratory rooms for officers of the department, an animal hospital, and the library.

Pathological material is drawn from New York Hospital, Bellevue Hospital and the City Morgue, Memorial Hospital for Cancer and Allied Diseases, and other Hospitals.

The museum contains a selected collection of 3,000 specimens illustrating most of the common and many rare pathological lesions. It is especially rich in lesions of bones and in tumors.

The histological cabinets contain about 20,000 slides arranged anatomically and cross-indexed for special diseases. There are also 300 sets of demonstration slides for undergraduate teaching purposes.

A volume is issued jointly by the Departments of Pathology, Bacteriology, and Hygiene, in which are collected the main studies coming from these laboratories. The Department of Pathology with the collaboration of heads of other departments conducts the work in Cancer Research of the Memorial Hospital, and at appropriate times issues reports of these studies.

Instruction.—The course of instruction in pathology begins in the first term of the second year, with lectures and gross and microscopic demonstrations, illustrating degeneration, inflammation, repair of tissues, and the infectious granulomas. At the same time the student observes the external phenomena of disease in demonstrations conducted by the Departments of Medicine and Surgery, reads about them in text-books, and prepares recitations on these topics. Coincidentally, biweekly demonstrations of gross pathological material collected from autopsies are conducted. The introduction of each topic is made by individual demonstration of museum specimens followed by the study of microscopic sections. Further co-ordination of work is accomplished by having the course in bacteriology proceed at the same time. The second term is devoted to the Special Pathology of the organs and constitutional diseases. The third term is occupied with the subject of tumors. In the first term of the third year neuropathology, gynecological pathology and osteopathology are considered. Surgical pathology is taught in New York and Bellevue Hospitals in the third year in connection with ward classes.

Pathological Anatomy is continued through three terms of the course in general pathology, and in the third and fourth years the student witnesses or performs autopsies. Various elective courses are offered in the latter portion of the fourth year.

SYNOPSIS OF COURSES.

General Pathology.—Lectures, gross and microscopical demonstrations in
(a) Degeneration, Inflammation, Regeneration, Granulomas. Required

CORNELL UNIVERSITY MEDICAL COLLEGE

in first term of second year. (b) Special Pathology. Required in second term of second year. (c) Tumors. Required in third term of second year. (d) Osteopathology, Neuropathology, Gynecological pathology. Required in the first term of third year. 243 hours. Professors Ewing, L'Esperance, Smith and Denton and Drs. Olcott, Stevenson and Fraser.

Pathological Anatomy.—Demonstrations of gross lesions in material collected from autopsies, gross pathological diagnosis, pathogenesis of symptoms and lesions. 66 hours. Required in second year. Professor Schultze, Drs. Cassassa and Dodge.

Autopsy Technique.—Section teaching at Morgue. Required in third year. Professor Symmers and Dr. Whitcomb.

Medico-legal Pathology.—The medico-legal relations of pathology are extensively illustrated in the material collected in the morgue and in the museum, and special attention is devoted to this subject in the third and fourth years. Professor Schultze, Drs. Cassassa and Dodge.

Recitations, Examinations.—Written recitations are conducted monthly throughout the year. Written and practical examinations are held at the end of the course.

Electives.—In the latter part of the fourth year the student may return to the laboratory and pursue advanced courses in several fields to be determined on consultation. The following courses are specifically recommended.

1. Pathological technique.
2. Tumor diagnosis and General Oncology.
3. Gynecological Pathology.
4. Dermatopathology.
5. Neuropathology.
6. Surgical Pathology.
7. Special pathology and study of groups of cases with the production of a thesis.

Most of these elective courses will require the student's entire time for one to three months but may be continued into the summer.

Special Students and Special Degrees.—Opportunity is afforded to a limited number of students to engage in original research in selected topics under the direction of an instructor. The student must contract to devote his entire time, in the usual sense, to the pursuit of the problem, and the results of the work may be published under the auspices of the department. The work may be pursued in the college laboratories, in the Loomis Laboratory, at the New York Hospital, or at the Memorial Hospital in cancer research.

Under the conditions laid down in the Graduate School of Medicine, the student may obtain the degree of M.S., after one year, or Ph.D. after at least

DETAILS OF THE PLAN OF INSTRUCTION

three years of study in Pathology. The completion of an original thesis is required for these degrees, and they are granted only to graduates in Medicine.

SUMMARY

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
General and Special Pathology	195 hours	48 hours	.....
Pathological Anatomy	66 hours	10 hours	.....
Autopsy Technics			Variable

BACTERIOLOGY.

WILLIAM J. ELSER, M.D., *Professor of Bacteriology and Immunology.*

ARTHUR F. COCA, M.D., *Professor of Immunology.*

ROBERT A. COOKE, M.D., *Assistant Professor of Applied Immunology.*

GEORGE W. WHEELER, M.D., *Assistant Professor of Bacteriology.*

ELLA F. GROVE, *Instructor in Immunology.*

RUTH A. THOMAS, A.B., C.P.H., *Instructor in Bacteriology.*

WILL C. SPAIN, M.D., *Instructor in Applied Immunology.*

EDGAR L. MILFORD, A.B., *Assistant in Immunology.*

EUGENIE LESLIE, M.D., *Assistant in Bacteriology.*

I. Bacteriology.

The subject is taught in the second year in two parts. Part I includes the preparation of culture media, the principles of sterilization and disinfection, the methods of isolation and differentiation of bacterial species and a study of their bio-chemical behaviour. Part II includes a detailed study of the pathogenic bacteria; special attention being paid to their relation to diseases of man. This work is supplemented by lectures and conferences dealing with the theoretical phases of bacteriology and immunology.

II. Immunology.

A laboratory and didactic course is given to second year students in two sections following the course in bacteriology. This course is designed primarily to familiarize the student with the fundamental immunological and serological principles, as well as the technic involved in the recognized clinical and forensic application of those principles, viz., the Widal, precipitin, Wassermann, von Pirquet, Schick, and Dick tests; the standardization of antitoxins; the grouping of human individuals with respect to isohemagglutinins; and the cutaneous test for atopic hypersensitiveness (asthma and hay fever).

III. Applied Immunology.

An elective clinical course in applied immunology is offered to fourth year students. This course consists of the practical study of various forms of hypersensitiveness in man, ample material for which is provided in the special clinic, two evenings (4 hours) for one week at the New York Hospital.

SUMMARY

	<i>Second Year.</i>	<i>Third Year.</i>
Bacteriology	160 hours	.....
Immunology	50 hours	elective

CORNELL UNIVERSITY MEDICAL COLLEGE

PUBLIC HEALTH AND PREVENTIVE MEDICINE.

JOHN C. TORREY, Ph.D., *Professor of Public Health and Preventive Medicine.*

WALTER C. KLOTZ, M.D., *Assistant Professor of Public Health and Preventive Medicine.*

MORTON C. KAHN, Ph.D., *Assistant Professor of Public Health and Preventive Medicine.*

RALPH W. NAUSS, M.D., D.P.H., *Instructor in Public Health and Preventive Medicine.*

Instruction in some of the many branches of hygiene and preventive medicine is given in connection with certain of the courses pursued in the several departments of Bacteriology, Chemistry, Physiology, Pathology and Medicine.

The more distinctive features of this subject, however, are presented in a course of lectures and demonstrations extending throughout the third year and dealing with the subjects of Sanitation, Epidemiology, Preventive Medicine and Public Health Administration. A certain amount of laboratory work is required of each student in the first term. In addition time has been allotted for field work through which the student may acquire experience in making sanitary surveys and visit localities in the vicinity where the practical application of sanitary devices and hygienic methods may be observed. Each student is required to prepare a short thesis on some aspect of public health work.

It is also the aim of the department to take full advantage of the opportunities offered by the Clinic for instruction in the preventive aspects of medicine. Such close correlation is facilitated through the fact that the Assistant Professor is also director of the Cornell Clinic.

The laboratory is open to properly qualified students of the third or fourth years who may desire to pursue original investigations under the direction of the staff and in accordance with the regulations of the college office.

SUMMARY.

	<i>Third Year.</i>
Lectures and Conferences	42 hours
Laboratory Work	72 hours
Field Work	36 hours*

*Eleven afternoons are assigned for field experience.

Text-books.—Park, *Public Health and Hygiene*; Rosenau, *Preventive Medicine and Hygiene*.

Collateral Reading.—MacNutt, *Manual for Health Officers*; Vaughan, *Epidemiology and Public Health*; Chandler, *Animal Parasites and Human Disease*.

MEDICINE.

LEWIS A. CONNER, M.D., *Professor of Medicine.*

WALTER L. NILES, M.D., *Professor of Clinical Medicine.*

LEGEN F. DUBOIS, M.D., *Associate Professor of Medicine.*

NELLIS B. FOSTER, M.D., *Associate Professor of Medicine.*

DETAILS OF THE PLAN OF INSTRUCTION

WILLIAM C. THRO, M.D., *Professor of Clinical Pathology.*
ALEXANDER LAMBERT, M.D., *Professor of Clinical Medicine.*
MALCOLM GOODRIDGE, M.D., *Professor of Clinical Medicine.*
JOHN W. CHURCHMAN, M.D., *Professor of Experimental Therapeutics.*
HENRY B. RICHARDSON, M.D., *Assistant Professor of Medicine.*
RUSSELL L. CECIL, M.D., *Assistant Professor of Clinical Medicine.*
ARTHUR L. HOLLAND, M.D., *Assistant Professor of Clinical Medicine.*
RALPH G. STILLMAN, M.D., *Assistant Professor of Clinical Pathology.*
CARY EGGLESTON, M.D., *Assistant Professor of Clinical Medicine.*
HAROLD E. B. PARDEE, M.D., *Assistant Professor of Clinical Medicine.*
HARRY A. BRAY, M.D., *Lecturer on Tuberculosis.*
ALICE R. BERNHEIM, M.D., *Associate in Medicine.*
JOHN H. RICHARDS, M.D., *Instructor in Medicine.*
NANCY JENISON, M.D., *Instructor in Medicine.*
WALTER H. BRUNDAGE, M.D., *Instructor in Medicine.*
DAN H. WITT, M.D., *Instructor in Medicine.*
HORACE S. BALDWIN, M.D., *Instructor in Medicine.*
CHARLES H. NAMMACK, M.D., *Instructor in Medicine.*
ASA L. LINCOLN, M.D., *Instructor in Medicine.*
PAUL REZNIKOFF, M.D., *Instructor in Medicine.*
*WHEELAN DWIGHT SUTLIFE, M.D., *Instructor in Medicine.*
EDWIN T. HAUSER, M.D., *Instructor in Medicine.*
WALTER S. MCCLELLAN, M.D., *Instructor in Medicine.*
NORMAN PLUMMER, M.D., *Instructor in Medicine.*
BENJAMIN H. ARCHER, M.D., *Instructor in Clinical Medicine.*
HAROLD S. BELCHER, M.D., *Instructor in Clinical Medicine.*
LAILA COSTON CONNER, M.D., *Instructor in Clinical Medicine.*
CONNIE M. GUION, M.D., *Instructor in Clinical Medicine.*
HARRY H. HAMILTON, M.D., *Instructor in Clinical Medicine.*
LOUIS A. HAUSER, M.D., *Instructor in Clinical Medicine.*
EDMUND R. P. JANVRIN, M.D., *Instructor in Clinical Medicine.*
BERTON LATTIN, M.D., *Instructor in Clinical Medicine.*
LEON I. LEVINE, M.D., *Instructor in Clinical Medicine.*
ANNA PLATT, M.D., *Instructor in Clinical Medicine.*
NEIL C. STEVENS, M.D., *Instructor in Clinical Medicine.*
DOUGLASS PALMER, M.D., *Instructor in Clinical Medicine.*
SYDNEY WEINTRAUB, M.D., *Instructor in Clinical Medicine.*
HARRY BERKOFF, M.D., *Instructor in Clinical Medicine.*
HELEN GAVIN, M.D., *Instructor in Clinical Medicine.*
EVELYN HOLT, M.D., *Instructor in Clinical Medicine.*
MICHAEL LAKE, M.D., *Instructor in Clinical Medicine and Clinical Pathology.*
WINIFRED KIRK, M.D., *Instructor in Clinical Medicine.*
EPHRAIM SHORR, M.D., *Instructor in Clinical Medicine.*
THEODORE J. CURPHEY, M.D., *Instructor in Clinical Medicine and Clinical Pathology.*

*On leave of absence.

CORNELL UNIVERSITY MEDICAL COLLEGE

KIRBY MARTIN, M.D., *Instructor in Clinical Medicine.*

J. RANDOLPH QUINN, M.D., *Instructor in Clinical Medicine.*

MALCOLM K. SMITH, M.D., *Instructor in Clinical Medicine.*

EDWARD TOLSTOI, M.D., *Instructor in Clinical Medicine.*

HARRIET WHITE, M.D., *Instructor in Clinical Medicine.*

NATHANIEL STANTON, M.D., *Instructor in Clinical Medicine.*

JEANETTE JENNISON, M.D., *Instructor in Clinical Medicine.*

HERMAN PHILIP, M.D., *Instructor in Clinical Medicine.*

JAMES H. WHALEY, JR., M.D., *Instructor in Clinical Medicine.*

STEPHEN WHITE, M.D., *Instructor in Clinical Medicine.*

DOROTHY R. RHODES, A.B., *Assistant in Medicine.*

The course in Medicine is begun in the first trimester of the second year and is continued through the second, third and fourth years. Instruction is given by means of didactic lectures, laboratory exercises, amphitheatre clinics, recitations, section classes in hospital wards and in the College Clinic and clinical clerkships in the wards of Bellevue and New York Hospitals.

SECOND YEAR

Introductory Clinics.—The subject of Medicine is introduced in the first trimester by a series of elementary clinics given at the New York Hospital by Professors Conner and Foster. These clinics are designed to acquaint the student with the simpler and more obvious aspects of important and common types of diseases and to stimulate in him the habit of observation. In Bellevue Hospital during the same period a course in Pathological Physiology consisting of lectures and illustrative clinics is given by Professors DuBois, Richardson, Cecil, and Dr. McClellan. The exercises are intended to bridge the gap between the course in Physiology and that in Medicine and to emphasize the importance of the changes in function which occur in disease.

In the third trimester clinics are held in the Amphitheatre of Bellevue Hospital by Professor DuBois and his associates.

Recitations.—A systematic study of Cecil's Textbook of Medicine is begun in the second trimester. Recitations are held once a week by Professor DuBois and Dr. Witt.

Physical Diagnosis.—During the first trimester the principles of Physical Diagnosis are presented in lectures and demonstrations by Dr. Pardee and the students are instructed in the various methods of physical examination. In the second trimester the student is given opportunity to practise physical diagnosis by the examination of patients in the wards of the New York and Bellevue Hospitals. The Class is divided into small sections and the bedside teaching conducted by Doctors Pardee, Nammack, Baldwin, Hauser, McClellan and Martin under the direction of Professor Foster.

THIRD YEAR

Lectures.—During the first and second trimesters one lecture a week is given by Professor Conner upon the general symptomatology of disease.

DETAILS OF THE PLAN OF INSTRUCTION

Each of the commoner and more important symptoms is considered in detail with special reference to the physiological processes involved.

Physical Diagnosis.—This subject is continued in the third year during the second and third trimesters. The Class is divided into small groups, each of which in turn is assigned to service in the medical department of the College Clinic. Each student under careful supervision of an instructor is expected to take histories and to make and record physical examinations. This course is under the direction of Professor Cecil.

Clinics.—In the first and third trimesters general medical clinics are held once a week in the College Amphitheatre by Professor Conner. At the Clinics are presented such ambulatory types of medical diseases as are usually not seen in the hospital wards.

Recitations.—The systematic study of Cecil's Textbook of Medicine, begun in the second year, is continued during all the three trimesters of the third year. Recitations are conducted by Professors Cecil and Richardson and Doctors Richards and McClellan.

Therapeutics.—Instruction in therapeutics, under the charge of Professor Goodridge, is given in the form of lectures and conferences, during the third trimester of the third year, and practical demonstrations in the wards of Bellevue Hospital during the period of clinical clerkship in the fourth year. For one-half of this period (two weeks) especial emphasis is laid upon treatment and the student receives practical instruction in the use of the more important drugs and in the various other therapeutic procedures.

Clinical Pathology.—The introductory required course, under the charge of Professor Thro, is given in the first trimester of the third year. It consists of ninety-six hours of lectures and laboratory work. This time is devoted to the teaching and the practical application of methods for the examination of urine, blood and blood serum, sputum, exudates and transudates, spinal fluid, gastric contents, faeces, and for the bacteriological examination of clinical material.

During the remainder of the third year and in the fourth year the students perform laboratory tests on patients assigned them in the clinics and hospitals, where they are supervised by instructors in the Department of Medicine.

In the latter part of the fourth year students have an opportunity to elect work in Clinical Pathology.

FOURTH YEAR

Clinical Clerkships.—The time allotted to medicine in the last year is devoted entirely to practical work in the wards of New York and Bellevue Hospitals and to elective subjects. Each student is required to serve for a period of two months as clinical clerk in the medical wards; the time being divided equally between New York and Bellevue Hospitals. During this period his entire day is spent in the wards and clinical laboratories. A certain number of patients are assigned for study to each student. Under

CORNELL UNIVERSITY MEDICAL COLLEGE

careful supervision he takes the histories, makes physical examinations, performs the various necessary laboratory examinations and records the progress of the cases. He is expected to be present at all post-mortem examinations and to attend the clinical pathological conferences. Each afternoon teaching rounds for the entire group on duty are made by some member of the Attending Staff.

At the New York Hospital, in addition to the routine ward teaching by Professors Conner and Foster, a weekly conference by Professor Foster is held with the group upon disorders of metabolism and their treatment, as exemplified by cases in the wards; a course of eight periods on the fluoroscopic investigation of the gastro-intestinal tract is given by Doctor Holland; a part of one afternoon of each week is devoted by Doctor Pardee to the study of cardiac arrhythmias and the interpretation of electrocardiographic and polygraphic records and by Professor Samuels to medical ophthalmoscopy.

At Bellevue Hospital, in addition to the routine ward teaching by Professors DuBois, Niles, and Goodridge, a clinical pathological conference and a medical clinic are held once a week. At the latter, cases presented by the student clerks are discussed by the staff and the results of experimental work done by the research members of the staff are demonstrated in connection with the cases studied. During this period also the students spend four afternoons in the wards of the Tuberculosis Division where, through the courtesy of Dr. James Alexander Miller, Visiting Physician in charge, they receive instruction together with students from the College of Physicians and Surgeons.

Elective Studies.—The latter part of the fourth year is available for elective work. For courses offered see page 69.

Graduate Study and Research.—The clinics and laboratories of Bellevue and New York Hospitals are available for special study and research to a limited number of physicians possessing suitable training.

Bellevue Hospital Clinic.—The Russell Sage Institute of Pathology is especially equipped for the investigations of problems of metabolism. The calorimeter is operated in conjunction with a metabolism ward and there is a chemical research laboratory for the study of problems connected with respiration and the gases of the blood.

New York Hospital Clinic.—The clinical laboratory and chemical laboratory are closely allied with the wards and offer excellent facilities for the study of the chemical aspects of disease. Special lines of research may also be carried on in the serological and bacteriological laboratories of the Hospital in conjunction with clinical observation in the wards. These laboratories have been used notably in the study of the anaemias, nephritis, and protein sensitization.

DETAILS OF THE PLAN OF INSTRUCTION

SUMMARY

Medicine

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	12 hours	33 hours	.....
Recitations	21 hours	33 hours	.....
Clinics	82 hours	35 hours	.....
Clinical Clerkships .....	.....	.....	312 hours
Sections	44 hours	10 hours	.....
Clinical Pathology .....	.....	96 hours	.....

SURGERY.

CHARLES L. GIBSON, M.D., *Professor of Surgery.*

JOHN A. HARTWELL, M.D., *Associate Professor of Surgery.*

HENRY H. M. LYLE, M.D., *Assistant Professor of Surgery.*

BURTON J. LEE, M.D., *Professor of Clinical Surgery.*

JAMES MORLEY HITZROT, M.D., *Professor of Clinical Surgery.*

ALFRED S. TAYLOR, M.D., *Professor of Clinical Surgery.*

POL CORYLLOS, M.D., *Professor of Clinical Surgery and Assistant in Surgical Research.*

JOSHUA E. SWEET, M.D., *Professor of Surgical Research.*

CHARLES E. FARR, M.D., *Professor of Clinical Surgery.*

HAROLD E. SANTEE, M.D., *Professor of Clinical Surgery.*

JOSEPH P. HOGUET, M.D., *Assistant Professor of Clinical Surgery.*

JOHN C. A. GERSTER, M.D., *Assistant Professor of Clinical Surgery.*

GUILFORD S. DUDLEY, M.D., *Assistant Professor of Clinical Surgery.*

ELISE S. L'ESPERANCE, M.D., *Assistant Professor of Pathology.*

RALPH G. STILLMAN, M.D., *Assistant Professor of Clinical Pathology.*

MORRIS K. SMITH, M.D., *Assistant Professor of Clinical Surgery.*

BYRON STOOKEY, M.D., *Assistant Professor of Clinical Surgery.*

LEILA C. KNOX, M.D., *Instructor in Surgical Pathology.*

ABRAHAM J. BELLER, M.D., *Instructor in Operative Surgery.*

JOSEPH E. J. KING, M.D., *Instructor in Surgery.*

W. MORRIS WEEDEN, M.D., *Instructor in Surgery.*

RUSSEL H. PATTERSON, M.D., *Instructor in Clinical Surgery.*

H. H. JOHNSON, M.D., *Instructor in Operative Surgery.*

NELSON W. CORNELL, M.D., *Instructor in Surgery.*

PAUL K. SAUER, M.D., *Instructor in Operative Surgery.*

HERBERT BERGAMINI, M.D., *Instructor in Clinical Surgery.*

WOODHULL C. CONDUCT, M.D., *Instructor in Operative Surgery.*

WILLIAM V. HEALEY, M.D., *Instructor in Operative Surgery.*

WALTER STENSON, M.D., *Instructor in Operative Surgery.*

HARRY J. WELSH, M.D., *Instructor in Surgical Pathology.*

EDWARD W. SAUNDERS, M.D., *Instructor in Clinical Surgery and Assistant in Surgical Research.*

CHARLES T. OLCOTT, M.D., *Instructor in Surgical Pathology*

GILBERT DALLDORF, M.D., *Instructor in Surgical Pathology.*

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PRISTON A. WADE, M.D., *Instructor in Surgery and Surgical Research.*

HENRY S. F. COOPER, M.D., *Instructor in Clinical Surgery and Assistant in Surgical Research.*

JOHN E. SUTTON, JR., M.D., *Assistant in Surgery and in Surgical Research.*

JACOB BUCKSTEIN, M.D., *Instructor in Surgical Roentgenology.*

JOHN H. MORRIS, A.B., M.D., *Assistant in Surgical Research.*

FLORENCE WEST, A.B., *Assistant in Surgical Research.*

WADE DULEY, M.D., *Assistant in Surgery.*

D. REES JENSEN, M.D., *Assistant in Surgery.*

JOHN STAIGE DAVIS, M.D., *Assistant in Surgical Research.*

GEORGE L. BIRNBAUM, M.D., *Assistant in Surgical Research.*

ROBERT K. FELTER, M.D., *Irene Heinz Given Fellow in Surgical Research.*

PENELOPE MARSH, A.B., *Bacteriologist, Department of Surgery.*

In the second year the introductory course in surgery consists of a series of lectures and recitations, clinics and sections in Bellevue and St. Mary's Hospitals.

In the third year recitations are continued upon regional surgery; the class is instructed in sections at St. Luke's Hospital in history taking and methods of surgical examination and diagnosis, three hours a week for one term, and four and a half hours a week at Memorial Hospital in neoplasms.

In the second and third terms clinics for the whole class are held weekly at New York and St. Luke's Hospitals. Twenty-three lectures are given by the Professors of Surgery.

A Fracture Course consisting of eleven lectures and demonstrations is given under the direction of Drs. Hitzrot, Smith and Cornell.

Operative Surgery. The course in charge of Dr. John C. A. Gerster consists of recitations and operative work on the cadaver. Each member of the class performs all the principal operations.

In the fourth year students spend eight weeks as clinical clerks in the wards of the New York and Bellevue Hospitals. They also receive clinical instruction in small groups in several hospitals and dispensaries on the special branches of gynecology and orthopedics. In the last two months all the work is purely elective and the students may supplement their work in surgery by clinical and laboratory electives.

HOSPITAL WORK

The Cornell University Medical College through its control of the First Surgical Service of the New York Hospital, the Second Surgical Division of the Bellevue Hospital and the Memorial Hospital and with clinical privileges at St. Luke's and St. Mary's Hospitals, possess every facility necessary for the efficient teaching of practical surgery and surgical pathology.

The Staff of Instruction of the New York Hospital is at present organized as follows:

DETAILS OF THE PLAN OF INSTRUCTION

NEW YORK HOSPITAL, CORNELL (FIRST SURGICAL) DIVISION.

CHARLES L. GIBSON, M.D., *Professor of Surgery, Attending Surgeon.*

JAMES M. HITZROT, M.D., *Professor of Clinical Surgery, Associate Attending Surgeon.*

CHARLES E. FARR, M.D., *Professor of Clinical Surgery, Associate Attending Surgeon.*

RALPH G. STILLMAN, M.D., *Assistant Professor of Clinical Pathology, Assistant Director Department of Pathology.*

GEORGE W. WHEELER, M.D., *Assistant Professor of Bacteriology, Bacteriologist.*

W. MORRIS WEEDEN, M.D., *Instructor in Surgery, Assistant Attending Surgeon.*

NELSON W. CORNELL, M.D., *Instructor in Surgery, Assistant Attending Surgeon.*

GILBERT DALLDORF, M.D., *Instructor in Surgical Pathology, Pathologist.*

CHARLES T. OLCOTT, M.D., *Instructor in Pathology, Assistant Pathologist.*

PRESTON A. WADE, M.D., *Instructor in Surgery, Deputy Assistant Attending Surgeon and Anesthetist.*

WADE DULEY, M.D., *Assistant in Surgery, Deputy Assistant Attending Surgeon Out Patient Department.*

D. REES JENSEN, M.D., *Assistant in Surgery, Deputy Assistant Surgeon Out Patient Department.*

The work is carried on in collaboration with the additional appointees from the Department of Pathology.

The division consists of about 60 surgical beds and a variable proportion of the children's service. The service is acute in character, and is particularly rich in the graver emergency and traumatic material.

Attached to this division is also a large Dispensary (Tuesday, Thursday and Saturday mornings), which furnishes valuable material for instruction and includes departments in orthopedics, gynecology and dental surgery.

The resources of the Pathological Department under Professor Elser afford valuable opportunities for the study of surgical pathology, and an intimate connection between the two departments is maintained.

Instruction consists of bedside instruction, diagnosis clinics, operative and post-operative clinics, practical instruction in sections (with utilization of the Dispensary clinical material) and clinical clerkships.

Fourth Year Clerkships.—Each section of students, for four weeks, is subdivided into four smaller groups and the course is planned to give a rotating service changing weekly. The work of the students is similar to that of the junior internes; but carried out under careful supervision. In addition, instruction is given by members of the Attending Staff, The Staffs of the Pathological Laboratory and of the Out Patient Department in special work.

All patients in the hospital service are assigned to the student groups who become responsible for all the histories, physical examinations, laboratory investigations and observations on treatment and convalescence after operation.

A special course in Surgical Pathology is given on three days a week by Doctors Dalldorf and Olcott.

Students are urged to write a short paper during the course preferably on some case or subject studied during their clerkship.

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BELLEVUE HOSPITAL, CORNELL (SECOND
SURGICAL) DIVISION.

HAROLD E. SANTEE, M.D., *Professor of Clinical Surgery, Visiting Surgeon and Director of Second Surgical Division.*

JOHN A. HARTWELL, M.D., *Associate Professor of Surgery, Visiting Surgeon.*
GEORGE WOOLSEY, M.D., *Professor of Clinical Surgery Emeritus, Consulting Surgeon.*

JOHN ROGERS, M.D., *Professor of Clinical Surgery Emeritus, Visiting Surgeon.*

ALFRED S. TAYLOR, M.D., *Professor of Clinical Surgery, Visiting Surgeon (Neurology).*

GUILFORD S. DUDLEY, *Assistant Professor of Clinical Surgery, Visiting Surgeon.*

ELISE S. L'ESPERANCE, M.D., *Assistant Professor of Pathology, Surgical Pathologist.*

BYRON S. STOOKEY, M.D., *Assistant Professor of Clinical Surgery, Assistant Visiting Surgeon (Neurology).*

JOSEPH E. J. KING, M.D., *Instructor in Surgery, Assistant Visiting Surgeon (Neurology).*

RUSSEL H. PATTERSON, M.D., *Instructor in Surgery, Assistant Visiting Surgeon.*

HERBERT BERGAMINI, M.D., *Instructor in Clinical Surgery, Assistant Visiting Surgeon.*

HENRY S. F. COOPER, M.D., *Instructor in Clinical Surgery, Surgeon to Out Patients and Adjunct Assistant Visiting Surgeon.*

JOHN E. SUTTON, M.D., *Assistant in Clinical Surgery, Surgeon to Out Patients and Adjunct Assistant Visiting Surgeon.*

EDWARD W. SAUNDERS, M.D., *Instructor in Clinical Surgery, Surgeon to Out-Patients and Adjunct Assistant Visiting Surgeon.*

HARRY J. WALSH, M.D., *Instructor in Surgical Pathology, Pathologist.*

JACOB BUCKSTEIN, M.D., *Instructor in Surgical Roentgenology, Assistant Roentgenologist.*

PENILOPE MARSH, *Bacteriologist, Department of Surgery, Surgical Bacteriologist.*

The Division consists of 90 surgical beds in addition to those devoted to genito-urinary diseases and gynecology the hospital instruction in which is outlined under their respective departments.

The hospital interne staff perform the routine duties of the wards, and are assisted in history taking, dressing, etc., by the surgical clerks, who spend their entire day in the wards during their period of clerkship, these privileges being extended exclusively to the students of the Cornell University Medical College.

Surgical Clerkships.—Intensive ward teaching is done under this head in the wards of Bellevue Hospital during the fourth year. The students are assigned in sections of four weeks each. They are under the direction of the Surgical Director aided by the corps of instructors.

Each student devotes his entire day to the work continuously for four weeks. He is assigned to the study of a certain number of patients, and is enabled to follow the complete course of the disease from the admission of

DETAILS OF THE PLAN OF INSTRUCTION

the patient to his discharge. In the event of death he is present at the autopsy should one be performed.

In this way the student has an opportunity to follow to a conclusion a large number of surgical affections, and he is instructed in the proper methods of surgical history taking, surgical physical examination, surgical dressings, and operative surgery as seen at the operating table. He is also instructed in the laboratory study, including bacteriology, of the blood, urine, feces, exudates, and transudates. This laboratory work is done under the direction of the staff in the laboratories connected with the hospital, and is under the immediate charge of the Surgical Pathologist to the Division. Each student spends 24 hours in the pathological laboratory, where he is instructed in a series of lesions illustrating the cases under his observation.

By this method of instruction, each student comes into intimate contact with surgical patients, and is required to make a complete study of each one from every standpoint. He has constantly at his service two or more of the teaching staff to guide him in his work, and impress on him the proper methods of observation and study.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	12 hours.	32 hours.	.....
Recitations	12 hours.	54 hours.	.....
Clinics	57 hours.	16 hours.	.....
Sections	12 hours.	15 hours.	.....
Operative Surgery .....	.....	40 hours.	.....
Clinical Clerkships .....	.....	.....	312 hours.
Elective .....	.....	.....	<i>Variable</i>

Text-books.—Ashurst's *Text-book of Surgery*; Rose and Carles, *Surgery*; Choyce, *A System of Surgery*, 2d Edition; Thompson and Miles, *Manual of Surgery*, 6th Edition; Gould, *Surgical Diagnosis*; Nelson's *Loose Leaf Surgery*.

Collateral Reading.—Lexer-Bevan, *General Surgery*; Stimson, *Fractures and Dislocations*; Binnie, *Operative Surgery*, 7th Edition; Binnie, *Regional Surgery*; *Lehrbuch der Chirurgie*, Garré and Borchard; *Text Book of Surgery*, Da Costa; *Text-Book of Surgery*, Babcock.

OBSTETRICS AND GYNECOLOGY.

GEORGE GRAY WARD, M.D., *Professor of Obstetrics and Gynecology.*

LILIAN K. P. FARRAR, M.D., *Assistant Professor of Obstetrics and Gynecology.*

HERVEY C. WILLIAMSON, M.D., *Assistant Professor in Obstetrics and Gynecology.*

JOHN F. McGRATH, M.D., *Instructor in Obstetrics and Gynecology.*

HOWARD S. McCANDLISH, M.D., *Instructor in Obstetrics and Gynecology.*

ALFRED PLAUT, M.D., *Instructor in Gynecological Pathology.*

OGDEN F. CONKEY, M.D., *Instructor in Obstetrics and Gynecology.*

WILLIAM P. DRISCOLL, M.D., *Instructor in Obstetrics and Gynecology.*

LYNN L. FULKERSON, M.D., *Instructor in Obstetrics and Gynecology.*

JOSEPH N. NATHANSON, M.D., *Instructor in Obstetrics and Gynecology.*

CHARLES T. SNYDER, M.D., *Instructor in Obstetrics and Gynecology.*

CORNELL UNIVERSITY MEDICAL COLLEGE

OBSTETRICS.

Instruction in obstetrics is given during the third and fourth years by recitations, lectures, manikin practice, ward section work, clinics and conferences, laboratory instruction, and attendance upon cases of confinement.

THIRD YEAR—First Term—*Recitations* in sections are held by the instructors on the physiology of pregnancy, the mechanism of labor and the care of the woman during the lying-in period. Definite assignments of study from a standard text-book are made. 12 hours.

Lectures are given by Professor Williamson which are illustrated by lantern slides and the exhibition of specimens and methods, and deal with the problems of menstruation, ovulation, embryology and the physiology of early pregnancy and the puerperium. The principles of the hygiene of pregnancy and the conduct of normal labor are emphasized. 12 hours.

THIRD YEAR—Second and Third Terms—*Recitations* in sections dealing with the pathology of obstetrics are held by Drs. McCandlish, Conkey and Driscoll. This course is in the nature of a conference and discussion is encouraged. 21 hours.

Manikin practice is given to sections of the class. There is individual work by the students upon the phantoms under the close supervision and criticism of the instructors, Drs. McCandlish and Snyder. 10 hours.

Third Term—Professor Williamson gives a series of illustrated lectures on the pathology and complications of pregnancy. 11 hours.

Second and Third Terms—*Ward Section Work.* The sections are divided into groups of eight or ten and they spend ten sessions of two hours each in the wards of Bellevue Hospital under the direction of Professor Williamson and the instructors. The sections are opened each day by the demonstration of whatever operative material there is at hand. It is then continued by bedside instruction in the management of the pregnant and parturient woman and the care of the new-born child. 20 hours.

Laboratory instruction is given in the Departments of Anatomy and Pathology upon the histology of the vulva, uterus, ligaments, Fallopian tubes, and ovaries in the pregnant and non-pregnant conditions and upon the histology and pathology of the decidua, chorion, placenta and umbilical cord. Material is demonstrated from cases of puerperal infections and toxemias of pregnancy.

FOURTH YEAR—First and Second Terms—*Practical Instruction—*Students attend cases in labor at the Berwind Maternity Clinic and make the requisite post-partum visits. The class in sections of five reside in the clinic building during a period of two weeks. Each student attends from twelve to twenty cases and when possible, follows his case from the prenatal visits to the tenth day of the puerperium. The student is instructed particularly in the prenatal care. The follow-up clinic, at this hospital, carries the mother

DETAILS OF THE PLAN OF INSTRUCTION

through a period of six weeks and the child for a period of one year. The student does his work under the control of the staff of instructors. Conferences are held in the Clinic and free discussion of the cases under treatment is encouraged.

Approximately 98 hours.

Third Term—An elective course in advanced obstetrics is given under the direction of Professor Williamson. The student spends two weeks at Bellevue Hospital and two weeks at the Berwind Maternity Clinic and the periods are eight hours a day at the former institution and twelve hours a day at the latter. In order that a certain number of operative cases may be seen the time is divided through the month into day and night services. While on the Berwind Clinic service a student may elect to serve full time rather than a twelve hour day. Operative procedures are observed and the student takes part in the prenatal examination and general ward administration.

GYNECOLOGY.

Instruction in Gynecology is given during the third and fourth years by (1) Section teaching in the Out-Patient Department, (2) Didactic Lectures, (3) General operative clinics, (4) Section work in operative clinics, (5) Ward demonstrations and conferences, (6) Laboratory courses, and (7) Full time elective courses.

1. Small sections of three or four students are drilled by the instructors in methods of examination and treatment of ambulatory cases in the Cornell Clinic during the third year. In connection with the Out-Patient teaching, instruction is given in gynecological cystoscopy, the technic of endoscopy, cystoscopy, catheterizations and ureters and testing of kidney efficiency as applied to gynecological cases.

2. Professor Ward gives during the second term of the third year a course of didactic lectures and demonstrations on the fundamentals of Gynecology.

3. A general operative clinic by Professors Ward and Farrar is held at the Woman's Hospital for the fourth year students throughout the first and second terms. Charts, blackboard drawings, clay modeling, etc., are employed before the operation is begun, to teach the principles of operative gynecology: A stereomotograph is used during the operation to throw lantern slides upon the screen to show the operative steps and to refresh the student's memory of the anatomy of the region.

4. Small sections permit students at the operation to examine the patient under anæsthesia and thus enables them to study the detail of the operation, to write up reports, and to check up the diagnosis.

5. Ward demonstrations and conferences are held by the head of the department during the first and second terms of the fourth year at the Woman's Hospital. The students are brought into contact with the patients they have seen at operation and are thus enabled to follow the post-operative course of each case. They take histories of patients awaiting operation and make pelvic examination under guidance.

CORNELL UNIVERSITY MEDICAL COLLEGE

Methods of diagnosis are demonstrated and the appropriate treatment is outlined. Non-operative treatments are demonstrated during these conferences.

6. A course in pathological gynecology is given by the department of Pathology during the third year. Specimens from the museum and microscopical sections of diseased tissues are demonstrated.

Lectures on gynecological pathology and laboratory demonstrations of secretions, discharges and specimens obtained from patients who come under operation are given to sections of the fourth year class by Dr. Plaut as a part of the course at the Woman's Hospital.

7. An elective course is given at the Woman's Hospital during the third term of the fourth year. The course provides for four students, working under supervision, as clinical clerks and assistants in the hospital from 9 A. M. to 5 P. M. daily for one month. It includes operating room work, the study of special research problems and preparation of a thesis.

SYNOPSIS OF COURSES.

Obstetrics

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	23 hours	.....
Recitations	33 hours	.....
Sections	30 hours	.....
Practical Obstetrics .....	.....	98 hours*
Gynecology		

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	10 hours	.....
Sections	10 hours	.....
Clinics .....	.....	(Elective)
Ward Demonstrations and Conferences .....	.....	102 hours

*Approximately.

Text-books.—*Obstetrics*, Williams, DeLee; *Gynecology*, Polak, Kelly, Crossen, Graves.

PEDIATRICS.

OSCAR M. SCHLOSS, M.D., *Professor of Pediatrics.*

LOUIS C. SCHROEDER, M.D., *Assistant Professor of Pediatrics.*

LYNNE A. HOAG, M.D., *Assistant Professor of Pediatrics.*

ARTHUR F. ANDERSON, M.D., *Associate in Pediatrics.*

SAMUEL Z. LEVINE, M.D., *Associate in Pediatrics.*

JAMES R. WILSON, M.D., *Associate in Pediatrics.*

JESSE F. SAMMIS, M.D., *Instructor in Pediatrics.*

MAY G. WILSON, M.D., *Instructor in Pediatrics.*

PHILIP M. STIMSON, M.D., *Instructor in Pediatrics.*

THOMAS E. WALDIE, M.D., *Instructor in Pediatrics.*

ROBERT O. DUBOIS, M.D., *Assistant in Clinical Pediatrics.*

CARL H. SMITH, M.D., *Assistant in Clinical Pediatrics.*

M. BERNARD BRAHDY, M.D., *Assistant in Clinical Pediatrics.*

DETAILS OF THE PLAN OF INSTRUCTION

The aim of this department is to teach the fundamental principles of Pediatrics.

The student is given opportunity to become familiar with the diseases peculiar to infants and children, and receives special instruction in infant feeding and hygiene, and the therapeutics of children's diseases.

Third Year. There is a clinical lecture once a week during the second and third terms. This comprises a systematic consideration of the subject of Pediatrics, supplemented by the demonstration of illustrative cases. The students are assigned in sections for recitations in which the field of pediatrics is consecutively considered.

Sections of students are assigned to the wards for instruction in physical examination, diagnosis and treatment of sick infants and children.

A course of instruction in acute contagious diseases is given at the Willard Parker Hospital. The students have opportunity to become familiar with the diagnosis, care and treatment of such diseases.

Fourth Year.—The work during the fourth year is entirely practical. The major part of the instruction is in the Out Patient Department of the New York Nursery and Child's Hospital, but in addition, the students attend ward rounds and have an opportunity to study hospital cases. During the latter part of the year there is an elective course limited to a small number of students.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Clinics	31 hours	.....
Recitations	21 hours	.....
Sections	40 hours	.....
Clinical Clerkships .....	.....	48 hours
Elective .....	.....	60 hours

Text-books.—Holt and Howland, *Diseases of Infancy and Childhood*; Griffiths, *Diseases of Children*; Porter and Carter, *Management of the Sick Infant*.

Collateral Reading.—Still, *Common Disorders and Diseases of Childhood*; Hess, *Principles and Practice of Infant Feeding*; Morse and Talbot, *Diseases of Nutrition and Infant Feeding*.

PSYCHIATRY.

WILLIAM L. RUSSELL, M.D., *Professor of Psychiatry.*

MORTIMER RAYNOR, M.D., *Professor of Clinical Psychiatry.*

JOSEPH P. EIDSON, M.D., *Instructor in Psychiatry.*

ABRAHAM KARDINER, M.D., *Instructor in Psychiatry.*

OSWALD H. BOLTZ, M.D., *Instructor in Psychiatry.*

GEORGE W. HENRY, M.D., *Instructor in Psychiatry.*

MICHAEL J. LONERGAN, M.D., *Instructor in Psychiatry.*

CHARLES A. MCGAFFIN, M.D., *Instructor in Psychiatry.*

CORNELL UNIVERSITY MEDICAL COLLEGE

Instruction in psychiatry is given in the third and fourth years. During the third year, first term, eleven lectures on psychopathology serve as an introductory course to the study of clinical psychiatry. The students become acquainted with the principles of abnormal psychology and their application in medical practice. During the second term the course in clinical psychiatry begins with ten lectures dealing with the relation of psychiatry to general medicine, with special emphasis on the study of personality, borderland cases, psychoneuroses, psychopathic states and mental deficiency. Ten one-hour clinical demonstrations are also given for the purpose of illustrating the types of cases discussed in the lectures. During the third term eleven lectures deal with the psychoses, their etiology, symptoms and treatment including their medico-legal aspects. Supplementing these lectures are eleven two-hour clinical demonstrations on the wards of the Manhattan State Hospital, Ward's Island. The lectures and clinical presentations afford the student an opportunity to become familiar with the examination, observation, diagnosis and treatment of mental disorders. Special emphasis is placed on the earliest manifestations of mental diseases and their management while under the care of the general practitioner.

During the fourth year an elective course is offered to a limited number of students. This affords an opportunity for the personal examination and study of selected cases. Students may thus study in detail the evolution of symptoms and psychological mechanisms in various psychoneurotic and psychotic types. An opportunity is also given for students to become familiar with the various psychometric tests which are used in establishing a diagnosis of mental deficiency.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures on Psychopathology	12 hours	.....
Lectures on Psychiatry	21 hours	.....
Clinics and Practical Exercises	32 hours	.....
Advanced Psychiatry .....	.....	(Elective)

SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY

SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY.

NEUROLOGY.

CHARLES L. DANA, M.D., *Professor of Clinical Medicine, Department of Neurology.*

FOSTER KENNEDY, M.D., *Professor of Clinical Medicine, Department of Neurology.*

THOMAS K. DAVIS, M.D., *Associate in Clinical Medicine, Department of Neurology.*

WALTER M. KRAUS, M.D., *Associate in Clinical Medicine, Department of Neurology.*

JUNIUS W. STEPHENSON, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

GEORGE H. HYSLOP, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

LEWIS D. STEVENSON, M.D., *Instructor in Clinical Medicine, Department of Neurology.*

Instruction in Neurology begins in the second semester of the Third Year with weekly clinical lectures and conferences. During this period optional instruction is also given to small groups in the college clinic under the direction of the Chief of Clinic. In the Fourth Year, the students are given clinical instruction in sections in the Neurological wards of Bellevue Hospital until the 1st of April. In the last two months of the Fourth Year optional courses in Neurology are given.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year</i>
Lectures .....	.....	.....
Clinics	21 hours	.....
Sections .....	.....	36 hours

Text-books.—Dana, *Diseases of the Nervous System*; Cecil, *Text-book of Medicine*.

Collateral Reading.—Works on nervous diseases by Sachs, Starr, Church and Peterson, Jelliffe and White, Oppenheim, Bing, and Stewart.

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UROLOGY.

EDWARD L. KEYES, M.D., *Professor of Clinical Surgery, Department of Urology.*

A. RAYMOND STEVENS, M.D., *Associate Professor of Clinical Surgery, Department of Urology.*

BENJAMIN S. BARRINGER, M.D., *Instructor in Clinical Surgery, Department of Urology.*

HOWARD S. JECK, M.D., *Instructor in Clinical Surgery, Department of Urology.*

WILLIAM A. WILSON, M.D., *Instructor in Clinical Surgery, Department of Urology.*

LISLE B. KINGERY, M.D., *Instructor in Clinical Surgery, Department of Urology.*

THOMAS J. KIRWIN, M.D., *Instructor in Clinical Surgery, Department of Urology.*

PAUL M. BUTTERFIELD, M.D., *Instructor in Clinical Surgery, Department of Urology.*

ROY B. HENLINE, M.D., *Instructor in Clinical Surgery, Department of Urology.*

ROBERT F. ZEISS, M.D., *Instructor in Clinical Surgery, Department of Urology.*

MIGUEL ALVAREZ, M.D., *Instructor in Clinical Surgery, Department of Urology.*

The courses in this department are required of students during the second, third and fourth year. They are designed to give instruction in diagnosis and treatment of the surgical diseases of the urinary and male genital organs.

Lectures.—Second year. A course of eleven lectures is given to the second-year class during the third term of the college session.

Section Teaching.—Second year. The second-year class is divided into sections of small size for instruction in the College Dispensary during the third term.

Clinic.—Third Year. A two-hour clinic is given in Bellevue Hospital during the second term by Professor Keyes. At this clinic typical cases are demonstrated and discussed by the students themselves.

Hospital Work.—Students who elect the course in the fourth year are assigned to clerkships in the wards of Bellevue Hospital and study the cases in the wards devoted to Urology continuously for one month.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Clinics .....	.....	20 hours	.....
Sections	10 hours	.....	.....
Lectures	11 hours	.....	.....
Clinical Clerkships .....	.....	.....	(Elective)

Text-book.—Keyes.

Collateral Reading.—Cabot, Thompson-Walker, Young, Lowsley and Kirwin.

SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY

DERMATOLOGY.

HANS J. SCHWARTZ, M.D., *Professor of Clinical Medicine, Department of Dermatology.*

J. FRANK FRASER, M.D., *Assistant Professor of Clinical Medicine, Department of Dermatology.*

ANDREW J. GILMOUR, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

RAY H. RULISON, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

ARTHUR F. KRAETZER, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

JOHN H. HARRIS, M.D., *Instructor in Clinical Medicine, Department of Dermatology.*

Instruction in Dermatology and Syphilology is given by Doctor Schwartz and his assistants. No teaching is didactic; the cutaneous diseases will be demonstrated on the living subject. Abundance of material for such instruction is obtainable, and the student can thoroughly familiarize himself with the more common as well as with the rarer diseases of the skin by actual personal touch and observation. Attention is particularly paid to the diagnosis and the etiology of skin diseases, but their therapeutics also receive due consideration. Instruction is also given in the intravenous and other forms of treatment by arsphenamine and neoarsphenamine.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Sections	10 hours	10 hours	Elective
Clinic	11 hours	22 hours	Elective

Text-book.—Stelwagon, *Diseases of the Skin.*

LARYNGOLOGY AND RHINOLOGY.

ARTHUR PALMER, M.D., *Acting Head and Assistant Professor of Clinical Surgery, Department of Laryngology and Rhinology.*

THOMAS A. MULCAHY, M.D., *Instructor in Clinical Surgery, Department of Laryngology and Rhinology.*

WILLIAM J. JACKSON, M.D., *Instructor in Clinical Surgery, Department of Laryngology and Rhinology.*

SAMUEL F. KELLEY, M.D., *Instructor in Clinical Surgery, Department of Laryngology and Rhinology.*

During the second year, the department instructs each student in the ordinary methods of examination of the nose and throat. The anatomy is reviewed and exercises in instrumentation are given.

During the third year, the head of the department gives instruction by clinical exercises and by didactic lectures. In this work, he is assisted by other members of the staff. Each student has practical experience in the

CORNELL UNIVERSITY MEDICAL COLLEGE

examination of patients in the clinic. The lectures given to the entire class are illustrated by models and by stereopticon projectives and by the presentation of cases.

Instruction is also given in the more recent measures employed in endoscopy and rhino-plasty.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures .....	.....	12 hours	.....
Sections	10 hours	20 hours	Elective
Clinic .....	.....	.....	Elective

Text-book.—Turner, *Nose, Throat and Ear.*

Collateral Reading.—St. Clair Thomson, *Diseases of the Nose and Throat*; Wright and Smith, *Diseases of the Nose and Throat.*

OPHTHALMOLOGY.

BERNARD SAMUELS, M.D., *Professor of Clinical Surgery, Department of Ophthalmology.*

GEORGE W. VANDEGRIFT, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

SAMUEL P. OAST, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

MILTON L. BERLINER, M.D., *Instructor in Clinical Surgery, Department of Ophthalmology.*

Instruction in Ophthalmology is given during the second, third and fourth years. The class is divided into small sections for work in the College Clinic. Each student receives individual instruction in the use of the ophthalmoscope. External diseases of the eye and anomalies of the ocular muscles are covered in a practical way. Some time is devoted to errors of refraction and the fitting of glasses.

During the first part of the year the professor of the department gives clinical lectures to the entire class, the patients coming from the College Clinic and the New York Eye and Ear Infirmary. These lectures are illustrated with stereopticon pictures.

The fourth year class, in connection with the clinical clerkship, receives bedside instruction in small sections one hour a week at the New York Hospital.

In addition students may take Ophthalmology as an elective course, in this year. An opportunity to witness operations, on the living, by the professor and the instructors, is provided at the New York Eye and Ear Infirmary. The histopathology of the eye is taught by microscopical sections prepared for the purpose.

SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year.</i>
Sections	20 hours	.....	.....
Clinic	11 hours	12 hours	Elective

Text-book.—Fuchs.

Collateral Reading.—De Schweinitz, May.

OTOLOGY.

GEORGE B. McAULIFFE, M.D., *Acting Head and Assistant Professor of Clinical Surgery, Department of Otolology.*

GERVAIS W. McAULIFFE, M.D., *Instructor in Clinical Surgery, Department of Otolology.*

For clinical instruction in Otology the third-year class is divided into sections. Each student receives practical instruction in the College Dispensary from Assistant Professor McAuliffe and his assistants in the examination of patients, the use of the otoscope, and the various methods of testing the hearing. The student is permitted to examine patients and after a probationary period, to prescribe for them and thus gradually assume the duties of a clinical assistant. The students also have an opportunity of witnessing the more important operations in aural surgery, including intracranial complications, at the New York Eye and Ear Infirmary.

Lectures	<i>Third Year.</i> 10 hours
Sections	5 hours

Text-books.—McAuliffe, *Essentials of Otolology.*

Collateral Reading.—Politzer, *Diseases of the Ear*; Macewen, *Pyogenic Infective Diseases of the Brain and Spinal Cord*; Whiting, *The Modern Mastoid Operation.*

ORTHOPEDIC SURGERY.

CHARLTON WALLACE, M.D., *Professor of Clinical Surgery, Department of Orthopedic Surgery.*

ARTHUR H. CILLEY, M.D., *Assistant Professor of Clinical Surgery, Department of Orthopedic Surgery.*

IRVIN BALENZWEIG, M.D., *Instructor in Clinical Surgery, Department of Orthopedic Surgery.*

KRISTIAN G. HANSSON, M.D., *Instructor in Clinical Surgery, Department of Orthopedic Surgery.*

JOHN S. WARE, M.D., *Instructor in Clinical Surgery, Department of Orthopedic Surgery.*

Instruction in this department is carried on in the third and fourth years:

I. In the first term of the third year:

(a) Didactic and clinical lectures are given for one hour a week to the entire class in the college lecture room. Professors Wallace and Cilley.

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(b) The students work in sections in the College Clinic for ten hours in the examination and treatment of patients. Prof. Cilley.

II. In the fourth year:

(a) Each section of the class receives bedside instruction in congenital and acquired deformities in the wards of the Hospital for the Ruptured and Crippled, one morning each week for four weeks. The same section has one afternoon each week, from 3 to 5, in the Out-Patient Department at the Hospital for Ruptured and Crippled.

(b) One morning a week for four weeks each section receives instruction in physiotherapy in reference to the treatment of industrial surgical conditions at the Hospital for Ruptured and Crippled.

(c) Students are taught methods of examination and are required to examine the patient, giving a concise resumé of the history, diagnosis and treatment to be employed in each case. Informal recitations and discussions are held for one hour following the case work.

SUMMARY.

	<i>Third Year.</i>	<i>Fourth Year.</i>
Lectures	12 hours	.....
Sections	10 hours	.....
Ward Work .....	.....	36 hours
<i>Text-books.</i> —Whitman and Soutter's <i>Operative Orthopedics</i> .		

ROENTGENOLOGY.

HARRY M. IMBODEN, M.D., *Professor of Roentgenology.*

RALPH E. HERENDEN, M.D., *Instructor in Roentgenology.*

WEBSTER W. BELDEN, M.D., *Instructor in Roentgenology.*

JOHN R. CARTY, M.D., *Instructor in Roentgenology.*

IRVING SCHWARTZ, M.D., *Instructor in Roentgenology.*

E. FOREST MERRILL, M.D., *Instructor in Roentgenology.*

This course is planned to give an introduction to the fundamentals of Roentgenology, beginning with some consideration of the principles of physics involved and then passing to the interpretation of findings on fluoroscopic screen and films. The instructors demonstrate to sections of the second year class the appearance of normal structures, and to sections of the third year class the typical pathologic conditions. In addition, instruction is given in the hospitals on the cases which the students see as clinical clerks.

Attention is also given to the subject of radiotherapy.

SUMMARY.

	<i>Second Year.</i>	<i>Third Year.</i>	<i>Fourth Year</i>
Lectures .....	.....	21 hours	Elective
Sections	10 hours	10 hours	.....

MEDICAL JURISPRUDENCE

OTTO H. SCHULTZE, M.D., *Professor of Medical Jurisprudence.*

An elective course of lectures to the fourth year class from the standpoint of the medico-legal autopsy, with demonstration of material, is given by Professor

SPECIAL DEPARTMENTS OF MEDICINE AND SURGERY

Schultze. This course covers autopsy technique in medico-legal cases, the autopsy protocol, and laboratory methods for establishing the proof of the cause of death in cases of accident, suicide, and homicide; also, the forensic aspect of the subject in cases of indemnity, liability and criminal prosecution.

The clinical aspects of the subject are covered in the regular course of study by several departments and by special lectures. The responsibilities of the physician towards the insane and their relatives and the general public, and the medico-legal aspects of mental deficiency are discussed by the Professor of Psychiatry. The Professor of Obstetrics takes up the moral and legal side of rape, feigned and unconscious pregnancy, what constitutes a "live birth," feigned or unconscious delivery, injury to the fœtus during precipitate labor, post-mortem delivery and the diagnosis of recent delivery. The medico-legal aspects of Toxicology are fully covered during the course in Pharmacology.

MILITARY SCIENCE AND TACTICS.

WILLIAM H. ALLEN, M.D., *Major, M.C., U.S.A., Professor of Military Science and Tactics.*

This course is concurrent with the medical course, extending over a period of four years (two basic and two advanced), and is designed to prepare students for commissions in the medical section of the Officers' Reserve Corps upon graduation in medicine. Instruction embraces lectures and recitations, with graphic and stereopticon demonstrations one hour each week.

Summer Camps. One compulsory summer camp during the advanced course is held at the Medical Field Service School, Carlisle, Pa., where actual field conditions are simulated. The whole is calculated to touch every important phase of medico-military science.

At camp the student takes an actual part in the mimic enactment of the various rôles played by the medical service in campaign, of which the two chief functions are the salvage of the wounded and the prevention of disease.

Sanitation, sanitary devices and epidemiological methods in peace and war time are demonstrated. A generous portion of time is given to athletics, field and gymnasium. There is some drill, some mapping and sketching, with such social entertainment as a college town of 10,000 may provide.

SYNOPSIS OF COURSE.

1st Year. The elements of Medico-military science, including Personal Hygiene, First Aid, Customs of the Service, Articles of War and Court Martial, Organization and Administration, Food, Clothing, Equipment, Shelter.

2nd Year. Map Reading. Medical Tactics. The Medical Soldier in War. Hygiene and Sanitation of Troops and battle areas. The Medical Regiment. First Aid, Shock, Hemorrhage, Gas, Evacuation and Transportation methods for wounded.

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3rd Year. The essentials of Military Hygiene and Sanitation. Water purification (in peace and war); Disposal of Wastes (in peace and war); Hygiene of Moving Troops; the Train, the Ship, the March.

Communicable diseases (in peace and war); Detection; Isolation; Prevention Methods. Sanitation: Garrison and Field. Inspections. Sanitary devices.

4th Year. Duties of Reserve Officers. Hospitals and Hospitalization (in peace and war); Development of hospitals; Construction; Equipment; Procurement; Government; Service and Practice; Interior Economy; Rules and Regulations; Aviation Medicine; Mobilization.

Special War Wounds; War Surgery; Chemical Warfare; War Diseases.

[In the advanced Course the Government gives the student the money value of a ration which has usually amounted to about \$9.00 per month. There is an allowance of 70 cents per diem at the Summer Camp, with a ration, and the transportation from College or home to Camp and return, or 5 cents a mile, in lieu of Government transportation.]

Text-book: *Manual for the Medical Soldier.*

Collateral Reading: Army Medical Bulletins; Army Regulations; Training Regulations; The Medical Department of the U. S. Army in the World War.

FOURTH YEAR ELECTIVES

FOURTH YEAR ELECTIVES. SESSION OF 1928-1929

April 8th to June 1st, 1929

Students are to register their courses at the Secretary's office on or before March 1st.

A. ANATOMY.

- I. General Histology. Dr. Nonidez. 2 months. Mondays, Wednesdays, Fridays, 9-12. 3-6 students.
- II. Experimental Cellular Biology. Drs. Nonidez, Armstrong and Schwind. 2 months. Full time desirable. Applicants should have special interest in the physico-chemical aspects of living tissues. The work consists in co-operating in research. 1-2 students.
- III. Anatomy of the Infant. Dr. Stockard. 2 months. Mondays, Wednesdays, Fridays, 2-5 P.M. 1-4 students.
- IV. Experimental Embryology. Dr. Stockard. 2 months. Tuesdays, 2-3 P.M. Not less than 6 students.
- V. Regional Anatomy. Dr. Morrill. 1 month, April or May. The instructor selects, after personal interview, 6-10 students per month. Minimum of 3 half-days per week.
- VI. Applied Anatomy. Dr. Sneed. 1 month, April. Tuesdays and Thursdays, 3-5 P.M.

Py. PHYSIOLOGY.

- I. Calorimeter Investigation. Dr. Lusk. April only. 4 weeks. 9 A.M.-1 P.M. daily. 2 students.
- II. Electrocardiography. Dr. Edwards. 12 weeks. 1-5 P.M. daily. 1-4 students.

C. CHEMISTRY.

- I. Chemical Pathology. Selected work in Blood Analysis. Dr. Benedict. 1 month, April only. Tuesdays and Thursdays, 10-1. 6-10 students. (Students must secure the approval of Dr. Benedict in advance of registration.)

Pr. PHARMACOLOGY.

- I. Pharmacology of Cardiac Drugs. Drs. Hatcher and Gold. 2-week periods. Monday, Wednesday, Friday, 2-5 P.M. 4-12 students. Laboratory work with conferences. The course is intended to aid the student in the therapeutic use of various drugs in this group.

M. MEDICINE.

- I. Clinical Clerks. Drs. Conner, Foster and Stillman. New York Hospital. 1 month periods. Daily, all day. 5 students.
- II. Physical Diagnosis of Diseases of the Chest. Dr. Martin. Bellevue Hospital. April or May. Tuesday and Thursday, 9-11 P.M. Students are expected to spend at least two mornings per week preparing cases. Open to fourth year students and graduates. 5 students.

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- III. Advanced Course in Metabolism Methods. Drs. DuBois, Richardson, McClellan and Shorr. Bellevue Hospital. The hours and work in this course will be arranged, if possible, according to the free time of the students. Instruction will be given in the technique of basal metabolism determinations by various methods including some work with the respiration calorimeter. Students will be instructed in the planning of diets and the methods of conducting metabolism experiments. Each student is expected to take part in some original investigation. 1 or 2 months. Daily, one-half day. 4 students.
- IV. Fluoroscopy of the Gastro-Intestinal Tract. Dr. Holland. New York Hospital. 1 month periods. Tuesday and Friday, 4-6 P.M. 6 students.
- V. Clinical Electrocardiography. Dr. Pardee. New York Hospital. 1 month periods. Monday and Friday, 3-5 P.M. 4 students.
- VI. Diagnosis and Treatment of Heart Failure. Dr. Eggleston. Bellevue Hospital. 1 month periods. Monday and Wednesday. 2 to 5 P.M. 6 students. Students are expected to devote some additional time to the preparation of cases and the study of literature.
- VII. Physical Diagnosis of the Chest. Dr. Evelyn Holt. New York Hospital. 1 month periods. Monday and Wednesday, 2-4 P.M. 6 students. (By special arrangement Friday, 2-4 P.M. may be substituted for either Monday or Wednesday.)
- VIII. Clinical Course in Asthma and Hay Fever. Dr. Baldwin. At the Cornell Clinic. Tuesdays, 1:30 to 4 P.M. 3 students. 1 month periods.
- IX. Tuberculosis and Other Diseases of the Lungs. Dr. H. A. Bray. This course is given at the Ray Brook Sanitarium. Quarters for the students are provided in the Sanitarium but the students must pay their railroad expenses. 1 month periods. 6 students.
- X. Course in Gastro-Enterology. Dr. Weintraub and Associates. Cornell Clinic. Course to include the general examination of patient, fluoroscopic and proctoscopic examinations, diagnosis and treatment. 1 month periods. Daily, 9:30 A.M. to 12:00 M. 4 students.
- XI. Dietetics. The practical application of the principles of metabolism to the feeding of the patient. Dr. Spencer and Miss Bigelow. Cornell University Diet Class Room, 325 East 38th Street. The course will deal chiefly with foods and accessories and their make up in food stuffs, mineral salts, extractives, etc.; the art of combining foods to form diets which are correct and yet as attractive as possible, and the problem of meeting individual or racial dietary preferences. The planning of diets for some specific diseases will be undertaken. Some usual and also special "dishes" will be prepared by the student or demonstrator at each session. 1 month

FOURTH YEAR ELECTIVES

period. Monday, Wednesday and Friday, 9:00 A.M. to 12:00 M. 12 students. The course will be offered in April and repeated in May only if over registered in April.

CP. CLINICAL PATHOLOGY.

- I. Advanced Clinical Pathology, Wednesday and Friday, 11-1. One month periods. Dr. W. C. Thro. Icterus Index. Fungi found in skin diseases. Determination of bicarbonate content of blood. Preparation of vaccine. Spinal fluid examination. Dark field examination. Parasites in blood and feces.

S. SURGERY.

- I. Clinical Clerks. Drs. Santee and Dudley. Bellevue Hospital. 1 month periods. All day. 4 selected students.
- II. Surgical Pathology. Dr. Symmers. Bellevue Hospital. Laboratory and wards. 1 month. Daily, full time. 6 students.
- III. Clinical Clerks. Dr. Gibson. New York Hospital. 1 month periods. All day. 4 students.
- IV. Dispensary Course. New York Hospital. Drs. Weeden, Corneil, Wade, Duley and Jensen. Clinical course in fractures of upper extremity, minor surgery, "accident" surgery, and care and treatment of post-operative wounds. Length of course 4 weeks. Time:—Tuesday, Thursday and Saturday, 9 A.M. to 12 M. 8 students.
- V. Surgical Diseases in Children. St. Mary's Hospital. Dr. Farr. Mondays, 9 to 12. One month periods. 4 students.
- VI. Surgical Diagnosis and Minor Surgery. Dr. Patterson. Cornell Clinic. Daily except Saturday, 1:30-4:00 P.M. and Tuesday and Friday, 5-7 P.M. 1 month periods. 3 students.
- VII. Roentgenological Diagnosis in Gastroenterology. Bellevue Hospital. Dr. Buckstein. Monday, Wednesday and Friday, 1 to 2:30 P.M. 1 month periods. 5 students.

Pt. PATHOLOGY.

- I. Tumor Diagnosis. Dr. Ewing. 2 months, 5 days; 1-5 P.M. daily, except Saturdays. 5 students.
- II. Pathological Thesis. Dr. Ewing. 2 months. All day, except Saturday. Saturday, 9 A.M.-12 M. 5 students.
- III. Gynecological Pathology. Dr. L'Esperance. 1 month. Monday, Wednesday, Friday, 3 to 5 P.M.
- IV. Neuropathology. Dr. Stevenson. 1 month, May only. Monday, Tuesday and Friday, 9 A.M. to 12 M. 6 students.

CORNELL UNIVERSITY MEDICAL COLLEGE

B. BACTERIOLOGY.

I. Clinical Course in Human Hypersensitiveness.

Asthma, hay-fever, urticaria, angio-neurotic edema, food and drug idiosyncrasies. At the New York Hospital. Tuesday and Thursday at 5 P.M. 8 students. 1 month. Dr. Cooke.

- (1) Technique of the cutaneous test.
- (2) Interpretation of the local reaction.
- (3) History taking in atopic cases.
- (4) Diagnosis and Treatment.

N. NEUROLOGY.

COURSES IN NEUROLOGY AND NEURO-ANATOMY.
ONE-MONTH PERIODS.

- I. Neurology: clinics at Cornell Dispensary Monday, Tuesday, Thursday, 1 to 3 P.M.
- II. Neurology: Bellevue Hospital. Dr. Kennedy and Assistants. Wednesday and Saturday 10:30 A.M. to 12 M. Work in the wards and in the neurological laboratory under the supervision of the visiting staff.
- III. Neurological Clinic. Neurological Institute. One day, 2-5 P.M. Dr. Junius W. Stephenson.
Students who desire additional Neurology may arrange for it by consulting Dr. Foster Kennedy.
Students may take such of these courses as they choose, except that it is imperative that they take at least the afternoon course at the College Clinic.
- IV. Neuro-Anatomy and Neuro-Pathology. Dr. Stevenson. See Pathology IV.

Ps. PSYCHIATRY.

- I. Clinical psychiatry, with special reference to incipient and border line cases in relation to general practice. Dr. Eidson and assistants.
For groups of 6 students at the Cornell Clinic 3 forenoons a week, Monday, Wednesday and Thursday, 9 to 11 A.M. for 1 month.

Pd. PEDIATRICS.

- I. Clinical Pediatrics. Drs. Schloss, Schroeder, Sammis and Hoag. New York Nursery and Child's Hospital daily 9 A.M. to 5 P.M. for periods of 1 month. Limited to 3 or 4 students.
- II. Clinical Pediatrics. Dr. Stimson.
Cornell Clinic, Mondays 1:30-4; Wednesdays and Fridays 9:30-12. Malnutrition in older children. Unusual conditions for diagnosis and treatment.

G. GYNECOLOGY.

- I. Clinical Gynecology. Dr. Ward. Woman's Hospital. 1 month periods. Daily, as scheduled below. Work conducted in Wards, Operating Room, Laboratory and O.P.D. Preparation of a thesis or special research problem. 4 selected students.

FOURTH YEAR ELECTIVES

A. FIRST TWO WEEKS.

Monday.

9-12. Operative Clinic.

12- 1. Study.

2-4. Operative Clinic.

4-5. Pathological Lab.

Tuesday.

9-11. Pathological Lab.

11-12:20. Cystos. Clinic.

2-5. Operative Clinic.

Wednesday.

9-10. O. P. D.

10-11. Follow-up.

11- 1. Study.

2-4. O. P. D.

4-5. Pathological Lab.

Thursday.

9-11. Pathological Lab.

11-12:30. Cystos. Clinic.

2-4. Operative Clinic.

4-5. Pathological Lab.

5 Conference, Surgical Staff.

Friday

9-11. Operative Clinic.

11-12. Conference.

12- 1. Study.

2-5. Operative Clinic.

Saturday.

9-11. O. P. D.

11- 1. Study.

2-3. O. P. D.

B. SECOND TWO WEEKS.

Monday.

9- 1. Wards.

2-4. Operative Clinic.

4-5. Pathological Lab.

Tuesday.

9- 1. Wards.

2-5. Operative Clinic.

Wednesday.

9- 1. Wards.

2-4. O. P. D.

4-5. Pathological Lab.

Thursday.

9- 1. Wards.

2-4. Operative Clinic.

4-5. Pathological Lab.

5 Conference, Surgical Staff.

Friday.

9-10. Wards.

10-11. Conference.

11- 1. Study.

2-5. Operative Clinic.

Saturday.

9- 1. Wards.

2-3. O. P. D.

II. Clinical Gynecology. Dr. McGrath, Cornell Clinic. 1 month periods.
Daily, 1-4 P.M. 3 students.

Ob. OBSTETRICS.

I. Clinical Clerkship in Obstetrics. Dr. Williamson. Berwind Maternity
Clinic and Bellevue Hospital. 1 month periods. Full time or 7
A.M.-7 P.M. 15 students. (See page 56 for description.)

CORNELL UNIVERSITY MEDICAL COLLEGE

D. DERMATOLOGY.

- I. Clinical Dermatology and Salvarsan Administration. Drs. Schwartz, Fraser, Rulison, Gilmour, Kraetzer, Harris and Niles. 1 month periods. Daily, 1:30-4 P.M. and Tuesdays and Fridays 5-7 P.M. 6 students.

L. LARYNGOLOGY.

- I. Clinical Clerkship in Laryngology and Rhinology. Dr. Palmer. Course includes operative work, comprising ordinary operations performed on the nose and throat as well as the modern procedures employed in endoscopy and rhino-plasty. 1 month periods. All day. 1 selected student.
- II. Clinical courses in Laryngology and Rhinology. Drs. Palmer and Mulcahy. 1 month periods. Daily, 2-4 P.M. College Clinic. 3 students.

Op. OPHTHALMOLOGY.

- I. Clinical Clerks. Dr. Samuels. New York Eye and Ear Infirmary, New York Hospital and College Dispensary. 1 month periods. All day. 2 students.
- II. Ophthalmology and Refraction. Dr. Vandegrift. Cornell Dispensary. 1 month periods. Mondays, Wednesdays and Fridays, 2-4 P.M. 6 students.
- III. Ophthalmoscopy and Refraction. Dr. Oast. N. Y. Eye and Ear Infirmary. 1 month periods. Mondays and Fridays, 2-4 P.M.
- IV. Ophthalmoscopy. Dr. Berliner. N. Y. Eye and Ear Infirmary. Mondays and Fridays, 2-4 P.M. 10 students.
- V. Ophthalmoscopy and Refraction. Dr. Oast. Cornell Clinic, Tuesdays and Thursdays, 1-4 P.M. 6 students.

Ot. OTOLOGY.

- I. Otology. Dr. McAuliffe. College Clinic. 1 month periods. Daily, 2-4 P.M. 3 students.

Or. ORTHOPEDICS.

- I. The Orthopedic Department of the Hospital for Ruptured and Crippled on Mondays and Fridays 9 A.M.-12 M. and Wednesdays 3-5 P.M. Doctors Wallace and Balenzweig. 10-12 students.
- II. The College Clinic. Mondays, Wednesdays and Fridays, 1-4 P.M. 2 students for 1 month periods. Dr. Cilley.

P.H. PUBLIC HEALTH AND PREVENTIVE MEDICINE.

- I. Laboratory Methods and Procedures. Drs. Torrey and Kahn Loomis Laboratory. Daily until 12 M., for 2 months. 1 student.

FOURTH YEAR ELECTIVES

U. UROLOGY.

- I. Minor Urology. Dr. Wilson, College Clinic. 1 month periods. Daily, 1-4 P.M. 8 students.
- II. Major Urology. Drs. Stevens and Jeck. Bellevue Hospital, Ward K4, 8:30 A.M. to 5 P.M., daily. Diagnosis and Treatment of Surgical Urological conditions. 1 month. 6 students.
N.B.—Courses I and II may be omitted.
- III. Minor Urology and Elementary Cystoscopy. Dr. Wilson, as in Course I. 2 months, April and May. Daily, 2 to 4 P.M. 4 students.
- IV. Diagnosis and Treatment of Neoplasms of the Urinary and Male Genital Tracts. Dr. Barringer. Memorial Hospital. Subject to special arrangement with instructor.

M.J. MEDICAL JURISPRUDENCE.

- I. Course of lectures on Medico-legal relations of practice and forensic medicine. Dr. Schultze. April and May. Mondays and Wednesdays 4-5 P.M. Number of students not limited.

NOTE—In addition to the above, students will often be able to arrange individual work on application to the heads of departments.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

20
20
220
170
390

SCHEDULE OF COURSES

FIRST YEAR—SESSION OF 1928-1929—FIRST TERM

October 2nd to December 22nd.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	ANATOMY					
10						
11						
1	Anatomy (Histology and Embryology)	Chem. L.	Anatomy (Histology and Embryology)	Chem. L.	Chem. R.	
2		Anatomy			Anatomy (Histology and Embryology)	
3				Chem. Lab.		
4		Military Science L.				
5						

FIRST YEAR—SESSION OF 1928-1929—SECOND TERM

January 7th to March 16th.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	Anatomy (Histology and Embryology)				Anatomy (Histology and Embryology)	
10				Anatomy		
11						
1	Anatomy	Chem. L.	Anatomy	Chem. L.		
2					Anatomy	
3		Chem. Lab.		Chem. Lab.		
4						
			Military Science L.			

FIRST YEAR—SESSION 1928-1929—THIRD TERM

March 18th to June 1st.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	Chem. L.	Physiol. L.	Chem. L.	Physiol. L.		Physiol. L.
10					Chem. R.	
11	Chem. Lab.	Physiol. Lab.	Chem. Lab.	Physiol. Lab.	Physiol. Lect.	Physiol. Lab.
12						
2	Anatomy (Neuro-Anat.)	Physiol. R.	Anatomy (Neuro-Anat.)	Physiol. R.	Anatomy (Neuro-Anat.)	
3		Military Science L.				
4						

Abbreviations—L., lectures; Lab., laboratory; Rec., recitations; Sec., section (the class being assigned to two or more divisions for certain exercises); B. H., Bellevue Hospital (Second Division); B. H. 4, Bellevue Hospital (Fourth Division); B. M. C., Berwind Maternity Clinic; C. D., College Dispensary; Man. Mat., Manhattan Maternity Hospital; Mem. H., Memorial Hospital; N. C., New York Nursery and Child's Hospital; N. Y., New York Hospital; O.P.D., Bellevue Hospital, Out Patient Department; R. & C., Hospital for the Ruptured and Crippled; St. L., St. Luke's Hospital; St. M., St. Mary's Hospital; W. I., Ward's Island, Manhattan State Hospital; Wom. Hosp., Woman's Hospital; W. P., Willard Parker Hospital.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

SECOND YEAR—SESSION OF 1928-1929—FIRST TERM

October 2nd to December 22nd

	Monday		Tuesday		Wednesday		Thursday		Friday		Saturday			
9	Physiology Lect. †		Anatomy *	Physiology Lect. †	Anatomy *	Physiology † Lect.	Physiology Lab. †	Physiology Lab. †	Anatomy ‡	Surgery Clinic	9			
10	Physiology Lab. †			Pathology Lab.		Physiology Lab. †				Pathological Anatomy	Surgery Rec.	B. H.	10	
11														11
12														
1	Military Sci. Lect.** Prof. Allen			Physiology Rec. †		Pathology Lab.				Physiology Seminar †	Medicine Lect. (Path. Physiol.)	1		
2			Surgery Lect.		2									
3			Physical Diagnosis Lect. and Demonstr.				3							
4								4						
5									5					

*Last three weeks only.

†First nine weeks only.

§First six weeks only.

**Elective.

SECOND YEAR—SESSION OF 1928-1929—SECOND TERM

January 7th to March 16th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9		Sections (See Schedule I)	Pathology Laboratory	Sections (See Schedule I)	Pathology Laboratory	Sections (See Schedule I)	9
10	Pathology Laboratory		Pathological Anatomy		Medicine Rec.		10
11							11
12							12
1		Military Sci. Lect.** Prof. Allen					1
2	<p>Bacteriology Laboratory*</p> <p>*Sections A-E alternate days, beginning Monday, January 7 to 25. Intervening days 2.3 P.M. only. Full time January 28 to March 16. Sections F-J similar schedules, on opposite days, beginning Monday, January 7.</p>						2
3							3
4							4
							5

**Elective.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum when ever advisable and without notice.

For abbreviations see page 14

SECOND YEAR—SESSION OF 1928-1929—THIRD TERM

March 18th to June 1st

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday		
9	Pharmacology Laboratory	Surgery Clinic St. L.	Pathology Laboratory	Pharmacology Laboratory	Surgery Clinic, B. H.	Pathology Laboratory	9	
10					Pathology Laboratory		Pathological Anatomy	10
11									11
12		Medicine Rec.						
1	Medicine Clinic B. H.		Military* Science Lect. Prof. Allen	Urology Lect.	Dermatology Clinic		1	
2	Sessions { Bacteriology‡ { A-E, Mch. 18-22 and Mch. 25-Apr. 26 F-J, Mch. 18-22 and Apr. 29-May 31 College Clinic { F-J, March 25-April 26 A-E, April 29-May 31						2	
3							3	
4							Ophthalmology Clinic			4
5							5	

*Elective.

‡No Bacteriology on Tuesdays.

NOTE: The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For Abbreviations see page 76.

THIRD YEAR—SESSION OF 1928-1929—FIRST TERM

October 2nd to December 22nd.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Pathology Laboratory	Public Health Lab.	Medicine Lect. Prof. Conner	Public Health Lab.	Pathology Laboratory	Public Health Lab.	9
10			Medicine Rec.				10
11	Medical Clinic C. D.	Clinical Pathology				Obstetrics Rec.	11
12						Surgery Rec.	12
1							1
2	Public Health Field Excursion	Ophthalmology Clinic Prof. Samuels	Military† Science Prof. Allen	Orthopedic† Lect. Prof. Wallace	Pharmacology Prof. Hatcher		2
3		Pharmacology Lect. Prof. Hatcher		Pharmacology Lect. and Lab.	Dermatology Clinic Prof. Schwartz		3
4		Obstetrics Lect Prof. Williamson		Rec.	Psychiatry Clinic Dr. Kardinier		4
5							5

†Elective

THIRD YEAR—SESSION OF 1928-1929—SECOND TERM

January 7th to March 16th

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Surgery Lect. Prof. Gibson	Surgery Sections * St. L.	Medicine Lect. Prof. Conner	Pediatrics Clinic, N. & C. Prof. Schloss	Public Health Lect.	Urology Clinic B.H. Prof. Keyes	9
10	Pediatric Rec.	Pathological Anatomy B.H.*	Medicine Rec.		Gynecology Lect. Prof. Ward		10
11	Operative Surgery	Surgery Sections * Mem. H.	Public Health Lect.	Psychiatry Clinic	Operative Surgery	Psychiatry Lect.	11
12			Military† Science Lect. Prof. Allen	Surgery Rec.		Surgery Rec.	12
1							1
2	S E C T I O N S (See Schedule III)						2
3							3
4	Roentgenology Lect. Prof. Imboden	Obstetrics Rec.	Dermatology Clinic Prof. Schwartz	Otology Lect. for Clinic Prof. Whiting	Neurology Clinic Prof. Kennedy		4
5							5

*Sections A to E take Surgery the first half term, Pathological Anatomy the second.
Sections F to J take Surgery the second half term, Pathological Anatomy the first. Sections change 9 A.M., February 12, 1929.

†Elective.

For abbreviations see page 74

THIRD YEAR—SESSION OF 1928-1929—THIRD TERM

March 18th to June 1st.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Surgery Lect. Prof. Gibson	Psychiatry Clinic, W. I.	Public Health Lect.	Pediatrics Clinic, N. C.	Surgery Clinic, N. Y.	Military† Science Lect. Prof. Allen	9
10	Pediatrics Rec.		Medicine Rec.	Prof. Schloss	Prof. Gibson	Public Health Lect.	10
11	Surgery Rec.		Medicine Clinic, C. D. Prof. Conner		Obstetrics Lect.	Psychiatry Lect.	11
12	Surgery Lect.		Therapeutics Prof. Goodridge		Surgery Rec.	12	
1							1
2	S E C T I O N S						2
3							(See Schedule III)						3
4	Roentgenology Lect. Prof. Imboden	Obstetrics Rec.		Laryngology Lect.	Neurology Lect. Prof. Kennedy		4
5							5

†Elective

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 76.

FOURTH YEAR—SESSION OF 1928-1929

October 2nd 1928 to March 30th, 1929.

	Medicine		Surgery		Neurology B. H. C. M. F. 2.5 P.M. Wed. 9-12 M.	Pediatrics N. C. Tu, Th, S. 9 A.M.- 1 P.M.	Orthopedics R. & C. M.— M. F. 9 A.M.-12 M. Wed. 2.5 P.M.	Obstetrics B. M. C. and Gynecology Wom. Hosp.	Electives T. Th, S. 2.5 P.M.
	N. Y.	B. H.	N. Y.	B. H.					
October 2 to October 27	A	D	F	C	E	E	E	(See opposite page for assignments.)	E
October 29 to November 24	B	E	D	A	F	F	F		F
November 26 to December 22	C	F	E	B	D	D	D		D
January 7 to February 2	D	A	C	F	B	B	B		B
February 4 to March 2	E	B	A	D	C	C	C		C
March 4 to March 30	F	C	B	E	A	A	A		A
April 1 to April 6	Examinations in all subjects.								

Students desiring electives will first consult the head of department and then register at the Secretary's office four weeks in advance for Elective work on Tuesday, Thursday and Saturday P.M.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 76.

FOURTH YEAR SECTIONS in Gynecology and Obstetrics

Session of 1928-1929

		Obstetrics Section, B. M. C. full time*	Gynecology Section Wom. Hosp. 9 A.M.—5 P.M.
September 30th, 1928 to October 13th, 1928....		B ₂	B ₁
October 14th, 1928 to October 27th, 1928....		B ₁	B ₂
October 28th, 1928 to November 10th, 1928....		C ₂	C ₁
November 11th, 1928 to November 24th, 1928....		C ₁	C ₂
November 25th, 1928 to December 8th, 1928....		A ₂	A ₁
December 9th, 1928 to December 22d, 1928....		A ₁	A ₂
December 23rd, 1928 to January 6th, 1929....			
January 7th, 1929 to January 19th, 1929....		E ₁	E ₂
January 20th, 1929 to February 2d, 1929....		E ₂	E ₁
February 3rd, 1929 to February 16th, 1929....		F ₁	F ₂
February 17th, 1929 to March 2d, 1929....		F ₂	F ₁
March 3rd, 1929 to March 16th, 1929....		D ₁	D ₂
March 17th, 1929 to March 30th, 1929....		D ₂	D ₁

*Students report at 9 A.M. on the first day of each assignment.

NOTE:—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9						
10						
11						
12						
1						
2						
3						
4						
5						

ELECTIVES

Students will register their courses at the College office on or before March 1st

(No course can be dropped without written permission from heads of all departments concerned, and the Dean.)

Students will take work in Pathological Anatomy (Autopsies) as posted on Bulletin Board.

NOTE--The Faculty expressly reserves the right to make alterations in the curriculum as soon as appropriate and without notice.

DETAIL SCHEDULE OF SECOND AND THIRD YEARS SECTION CLASSES

SESSION OF 1928-29

NOTE—Section periods in each instance include both dates. Sections are designated by letters; a figure following indicates a half section.

Section Schedule I. SECOND YEAR—SECOND TERM—JANUARY 7th TO MARCH 16th, 1929

"Hospital Sections"	Jan. 8-24	Jan.26—Feb.9	Feb. 12-28	Mar. 2-16
Surgery, 9-10.30 A.M. Tues. & Sat., B.H.; Thur., St.M.	A B C ₁	C ₂ D E	F G H ₁	H ₂ I J
Medicine, 9-11 A.M. Tues., Thur. & Sat., B.H.	C ₂ D E	F G H ₁	H ₂ I J	A B C ₁
Medicine, 9-11 A.M. Tues., Thur. & Sat., N. Y.	F G H ₁	H ₂ I J	A B C.	C ₂ D E
Medicine, 9-11 A.M. Tues., Thur. & Sat., B.H. IV	H ₂ I J	A B C ₁	C ₂ D E	F G H ₁

The numerals 1 or 2 after a section letter indicate the 1st or 2d half section.

Section Schedule II SECOND YEAR—THIRD TERM—MARCH 18th TO JUNE 1st, 1929

"Cornell Clinic Sections"		Monday 2.30-4.30 P.M.	Tuesday 2-4 P.M.	Wednesday 2-4 P.M.	Thursday 2-4 P.M.	Friday 2-4 P.M.
Dermatology	March 25—April 26	F	G	H	I	J
	April 29—May 31	A	B	C	D	E
Laryngology	March 25—April 26	J	F	G	H	I
	April 29—May 31	E	A	B	C	D
Urology	March 25—April 26	I	J	F	G	H
	April 29—May 31	D	E	A	B	C
Ophthalmology	March 25—April 26		H-I		J-F	G
	April 29—May 31		C-D		E-A	B
Roentgenology	March 25—April 26		G-H F†	I-J		
	April 29—May 31		A† B-C	D-E		

†Tues. 5-6 P.M.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum when advisable and without notice.

SECTION SCHEDULE III
THIRD YEAR—SECOND AND THIRD TERMS
January 7th to May 31st, 1929

Term II, Jan. 7—Mar. 16						Term III, Mar. 18—May 31					
	Mon.	Tues.	Wed.	Thurs.	Fri.	Mon.	Tues.	Wed.	Thurs.	Fri.	
Medicine, C.D., 2-4 P.M.	A	B	C	D	E	F	G	H	I	J	
Dermatology, C.D., 2-3 P.M.	B	C	D	E	A	G	H	I	J	F	
Laryngology, C. D., 3-4 P.M.	B	C	D	E	A	G	H	I	J	F	
Pediatrics N.C., 1.30-3.30 P.M.	C	D	E	A	B	H	I	J	F	G	
Obstetrics, (Manikin Sec.) 3-4 P.M.	D J		A		C G	I E		F		H B	
Gynecology, C.D., 2-4 P.M.*	E ₁ E ₂	A ₁ A ₂	B ₁ B ₂	C ₁ C ₂	D ₁ D ₂	J ₁ J ₂	F ₁ F ₂	G ₁ G ₂	H ₁ H ₂	I ₁ I ₂	
Orthopedics, C.D., 2-4 P.M.*	E ₂ E ₁	A ₂ A ₁	B ₂ B ₁	C ₂ C ₁	D ₂ D ₁	J ₂ J ₁	F ₂ F ₁	G ₂ G ₁	H ₂ H ₁	I ₂ I ₁	
Otology, C.D., 2-3 P.M. (5 times only, beginning Jan. 28 and April 8.	D	E	A	B	C	I	J	F	G	H	
Obstetrics, B. H. (or Man. Mat.)† 2-4 P.M.	G H		I J		F	B C		D E		A	
Pediatrics, W. P. 1.45 to 3.45 P.M.‡		G I		F H J			B C		A D E		
Roentgenology, 1.30-2.30 P.M.	I J F ₁		F ₂ G H			D E A ₁		A ₂ B C			

*Each half section takes 5 weeks only—Sections change at 9 A.M., February 11th and April 22, 1929.

†Two sections at one time on Mondays and Wednesdays.

‡First three exercises at the College, thereafter at W. P. Hospital

Sections G, I, F, H and J report at the College Thursdays only January 7 to 28th, thereafter at W. P. Hospital, G and I on Tuesdays, F, H and J on Thursdays, as scheduled.

Similarly sections B, C, A, D and E report at the College Thursdays only, March 18 to April 8; thereafter at W. P. Hospital and B and C on Tuesdays, A, D and E on Thursdays, as scheduled.

NOTE—The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

For abbreviations see page 76.

EXAMINATIONS AND ADVANCEMENT IN COURSE.

I. *Advancement.*—Students are advanced in their course from one year to the next upon recommendation by heads of departments after examination in the work of that year, but examinations may, at the discretion of the Head of the Department, include all the work previously covered in the year or years preceding the examination in question. There is, however, no unnecessary repetition of subjects taught from year to year.

II. *Examinations.*—Examinations for advancement, graduation and admission to advanced standing are held at the close of the year, except that in each course extending through a part of the year only, the examination may be held at the close of the course.

A grade of 75 per cent. is required to pass; a student failing to pass is either conditioned or dropped (for subjects of examinations, etc., see below).

A conditioned student may be re-examined in September. A student who has been conditioned and has failed on re-examination shall be automatically dropped from the College.

A dropped student shall not be re-examined nor shall he be re-admitted to this College.

III. *Record of Grades.*—At the completion of a final examination at the end of a course the grades of each student are to be promptly compiled and submitted by the examiner to the College office for record by the Secretary, and grades once recorded are not subject to change except in accordance with the rules governing re-examination (See II.).

IV. *Final Examinations.*—Annual examinations are held at the end of a course, or coincident group of courses, in the hours allotted to said courses, or during the last week of the session, at the discretion of the head of the department, who will give notice of the date of examination through the office of the Secretary. All such final examinations are conducted under the direction of the head of the Department

Subjects of Examination for Completion of the First Year.

*Anatomy.

Physiology.

Chemistry (including laboratory work).

*Histology and Embryology.

*Neuro-Anatomy.

Military Science.

EXAMINATIONS AND ADVANCEMENT IN COURSE

Conditions allowed: Not more than 40% of required hours (see table, page 97).

NOTE—All conditions must be successfully passed before entrance into the next succeeding year will be allowed.

Subjects of Examination for Completion of the Second Year.

- *Physiology and Nutrition.
- Pathology.
- *Bacteriology.
- Medicine.
- Surgery.
- *Anatomy.
- *Pathological Anatomy.

Conditions allowed: Not more than 30% of required hours (see table, page 97).

(See note above.)

Subjects of Examination for Completion of the Third Year.

- *Pathology.
- Obstetrics.
- Medicine.
- Surgery.
- *Pharmacology.
- Therapeutics.
- *Clinical Pathology.
- Pediatrics.
- Public Health and Preventive Medicine.
- Neurology.
- *Urology.
- *Otology.
- *Ophthalmology.
- Laryngology and Rhinology.
- *Dermatology.
- Psychiatry.

Conditions allowed: Not more than 30% of required hours (see table, page 97).

(See note above.)

Subjects of Examination for Completion of the Fourth Year and Graduation.

- Medicine.
- Surgery.
- Pediatrics.
- Neurology.
- Orthopedic Surgery.
- Gynecology.

Conditions allowed:—

*In the subjects thus marked the examination is given at the end of the course, under the direction of the head of the department. In other subjects the final examination is at the end of the year.

CORNELL UNIVERSITY MEDICAL COLLEGE

If any student fails to pass in not more than 30% of the required hours (see table, page 97), a re-examination in those subjects may be allowed, and if the candidate is then successful the degree may be conferred.

REQUIREMENTS FOR GRADUATION.

1. Candidates for the degree of doctor of medicine must have studied medicine for four full years in an accredited medical college, and the fourth year at least must have been spent in the Cornell University Medical College.

2. Candidates must present satisfactory evidence of good moral character and of being not less than twenty-one years of age.

3. Candidates must file with the Secretary of the Faculty satisfactory evidence of having complied with the entrance requirements (see page 28), together with the requisite legal medical student certificate.

NOTE—This certificate is issued by the Department of Education of the State of New York on presentation of required credits and a diploma from a recognized College or University or properly attested certificate showing that such a diploma has been granted, together with a fee of one dollar. If the student so requests, the Secretary of the Faculty may forward such diploma or certificate to the Department of Education of the State of New York with a request for the legal student certificate.

4. Candidates must have taken the regular course in practical obstetrics, and a certificate covering this course, and setting forth the number of obstetrical cases personally attended by the student, must be filed at the Secretary's office before registration for the final examinations, which begin about the last week of May.

5. Candidates who fail at final examination in more than 30% of the required hours will not be re-examined until after having repeated the fourth year of study.

Before being readmitted to the fourth year the candidate may be required to pass a satisfactory examination in anatomy, physiology, chemistry, and the other subjects of the preceding years.

6. The degree will not be conferred upon any candidate who absents himself from the public Commencement without the special permission of the Faculty.

7. The Faculty reserves the right to terminate the connection of any student with the institution *at any time* on the ground of what they may deem moral or mental unfitness for the profession of medicine, or improper conduct while connected with the College.

DIPLOMAS OF LICENTIATE OF THE ROYAL COLLEGE OF PHYSICIANS OF LONDON AND MEMBERSHIP OF THE ROYAL COLLEGE OF SURGEONS OF ENGLAND.

Graduates of the Cornell University Medical College are admitted to the final examinations for diploma of Licentiate of the Royal College of Physicians of London and Membership of the Royal College of Surgeons of England, upon presenting proper certificates that certain conditions applicable to the foreign universities and colleges, which are recognized by the examining board, have been complied with.

EXAMINATIONS AND ADVANCEMENT IN COURSE

Further information may be obtained from the Secretary of the Board (Mr. F. G. Hallet) at the Examination Hall, Queen's Square, Bloomsbury, London, W. C.

HONORS AND ORGANIZATIONS

Prizes.

I. For general efficiency.

In commemoration of John Metcalfe Polk, an Instructor in this College, who was graduated from the Medical Department of Cornell University on June 7, 1899, and died on March 29, 1904, an annual prize of \$500 will be presented at each Commencement to the members of the Graduating Class who have pursued the full course of study in Cornell University Medical College.

This prize will be awarded as follows:

To the student having the highest standing	\$300
To the student having the second highest standing	125
To the student having the third highest standing	75

II. For efficiency in Gynecology.

In memory of William M. Polk, M.D., LL.D., Dean and Professor of Gynecology in Cornell University Medical College from its establishment in 1898 until his death, June 23, 1918, an annual prize, established by Mrs. Polk, of \$250, to the three members of the Senior Class in order of merit, for obtaining especial distinction in the Department of Gynecology.

This prize will be awarded as follows:

To the student attaining the highest distinction	\$125
To the student attaining the second highest distinction	75
To the student attaining the third highest distinction	50

III. For efficiency in Otology.

Two prizes, the first of \$50, the second of \$25, are offered by Professor Whiting to the two students of the graduating class who make the best records in the practical and theoretical work in Otology.

IV. For efficiency in Obstetrics.

Two prizes, the first of \$75, the second of \$25, have been endowed by an anonymous donor in recognition of the work of Dr. Gustav Seeligman in Obstetrics, to be given to the two students in the graduating class who have made the best records in the practical and theoretical work in Obstetrics.

V. For efficiency in General Medicine.

The income of \$1,000 is offered as a prize for general efficiency in the Department of Medicine, to be known as the Alfred Moritz Michaelis prize in General Medicine, in commemoration of Alfred Moritz Michaelis, who was graduated from the Medical Department of Cornell University on June 11, 1925, and who died during his internship at Mt. Sinai Hospital, April 24, 1926. Presented at each Commencement to a member of the Graduating Class who has pursued the full course at Cornell University Medical College.

CORNELL UNIVERSITY MEDICAL COLLEGE

Scholarship.

1. The John Metcalfe Polk Scholarship, a gift under the will of William Mecklenberg Polk, former Dean, to be expended as a Scholarship in the Medical College. The income amounts to two hundred and fifty dollars (\$250) annually.

Hospital Appointments.—Members of the graduating class of Cornell University Medical College are nominated for appointment to the staff of internes in the Cornell division of Bellevue and the New York Hospitals in accordance with the following general plan:

1. The list of available positions having been posted, members of the graduating class make application for such services as they desire, naming not less than two choices, and agreeing to accept the position if offered.
2. A committee of the faculty determine the appointments from the list of candidates, basing the determination upon—
 - a. The student's standing during his first three years in Medical College:
 - b. The quality of his work in the hospital ward:
 - c. Personality and general fitness for the position desired.

The nominations thus made are subject to confirmation by the faculty of the Medical College and by the hospital. The faculty expressly reserve the right to alter the method of appointment in any or all particulars, at any time, and without notice.

The students and graduates of the Cornell University Medical College are also expected to compete for positions on the resident staff of other hospitals of the city.

The requirements, the times of examination, and the period of service differ. The details can be learned by application, written or in person, to the superintendents or to the secretaries of the medical boards of the various hospitals.

A record of the hospital appointments received by the graduating class is shown in the list of Graduates preceding the Student Register at the end of the Announcement.

The Alpha Omega Alpha, an honorary medical society, has maintained a chapter in this College since 1910. The members are elected by the membership of the society on nomination from the College Office. Nominations include only those who have for three years made a scholarship average of not less than 85 per cent. Not more than one-sixth of each class is eligible for election. The membership from the Class of 1929 is as follows:

Dominic Anthony De Santo	Virginia Clay Hamilton
Albert Harris Douglas	William Maxwell Hitzig
Bernard Fread	Winifred Louise Hope
Charles Kemm Good	Estelle Elizabeth Kleiber
Harry Gordon	Charles Andrew Landshof
Grant Guillemont	John Noll, Jr.

Herman Tannenbaum

COURSES FOR GRADUATES

The Vesalian Society is a students' organization which arose from a series of Anatomical Journal Clubs started about 1910. The anatomical Journal Club has been confined to the first year class and the Vesalian Society became the means of continuing the consideration of scientific literature by a group of interested students in the upper classes. The Society now maintains a Journal Club in each College class, with admittance to membership on the basis of effective scholarship. In addition to the class meetings there are meetings open to the public which are addressed by undergraduates and by invited guests. The purpose of the Society is to stimulate an active interest in the broader aspects of the medical sciences, to promote a fraternal spirit in and between the College classes, and to promote co-operation between undergraduates and alumni.

COURSES FOR GRADUATES.

For some years special courses have been offered in several of the departments, and they have been, from time to time, pursued by graduates in medicine, teachers and advanced students and research workers in the medical sciences. For the benefit of such applicants these courses have been compiled, and are listed below under the several departments by which they are offered. For a list of the teaching staff the reader is referred to the detailed statement of the several departments contained in pages 36 to 68 of this announcement.

The courses offered below with the exceptions indicated are minor courses continuing six to eight weeks. Several departments are equipped to offer co-ordinated work extending over longer periods, and such courses can be arranged for the student by consultation with the head of the department.

In general it is recommended that students applying for admission to graduate courses so far as possible arrange to take consecutive work for a period of at least one College session. Such courses will be under the immediate supervision of an instructor from the department in which the greater portion of the student's work is performed.

The faculty reserve the right to limit the number of applicants received and to alter or withdraw courses at any time without notice.

ADMISSION.

Graduates in Medicine, Arts or Science, from approved colleges, who desire to pursue courses not leading to a degree, are admitted to registration as graduate students, after approval by the head of the department. Such courses do not count in any way as a part of the four years' course required of candidates for the degree of doctor in medicine. All students or other workers pursuing courses indicated below are required to first register at the office of the Secretary.

FEEES.

Graduate students are admitted to any of the courses of instruction offered on the payment of a registration fee of ten dollars, an administration fee of five dollars and the tuition fee assigned to the course (see below). Those who have been previously registered as students in the Cornell University Medical College are not required to pay the registration fee.

In the courses outlined below, those marked with an * may be begun at any time during the session.

CORNELL UNIVERSITY MEDICAL COLLEGE

ANATOMY.

1. Embryology.—Terms I and II. September to March. Fee \$50. Details on page 36.
- 2.* Histological Technic.—Laboratory at least three hours daily and conferences with instructors. Fee \$30.
- 3 and 4. General Histology, Microscopical Anatomy.—Terms I and II. September to March. Details on page 36. Fee \$50.
- 5.* Dissection.—See Courses I-V, page 37. Fee \$30 per term (ten weeks); or for the entire dissection, \$50.
6. Neuro-Anatomy.—Term III. March to May. Details on page 37. Fee \$30.
- 7.* Anatomical Research.—Subject to special arrangement with head of department.

PHYSIOLOGY.

1. Physiology.—Begins with Term III in March and continues in Term I of the following session. Details on page 40. Fee \$50.
- 2.* Physiological Research.—Subject to special arrangement with head of department.

CHEMISTRY.

- 1.* Physical Chemistry as applied to Medicine.—Eleven weeks, two lectures, one laboratory period. Fee \$25.
- 2.* Physiological Chemistry.—Two terms, of ten and eleven weeks each. Two lectures and two laboratory periods each week. Fee \$25 per term.
- 3.* Chemical Pathology.—A practical course in methods of blood analysis. Two three hour periods a week for one month. Fee \$25.
- 4.* Research Work in Physiological Chemistry, Chemical Pathology, or Toxicology.—Hours and fee to be arranged with each student.

Note.—Courses in this department are subject to special arrangement with head of department. Special students in this department must present satisfactory evidence of preliminary training in inorganic chemistry with laboratory work as outlined on page 29.

PHARMACOLOGY.

- 1.* Laboratory Pharmacology, under supervision and including conferences with instructor. Fee \$25.
- 2.* Research Work in Pharmacology.

MEDICINE.

1. Applied Immunology. (See Bacteriology.)
2. Advanced Course in Metabolism Methods. (See page 70.)

CLINICAL PATHOLOGY.

1. Laboratory Diagnosis.—Elementary and advanced instruction is offered in all the tests commonly performed in a clinical laboratory. The time the course is given and the fee are to be arranged with Professor Thro.

COURSES FOR GRADUATES

PATHOLOGY.

1.* **Gynecological Pathology.** Dr. L'Esperance. Six hours or more weekly for about one month. Class is limited to ten students. Fee \$50.

2.* Special courses in tumor diagnosis are open to graduate students in the College Laboratory and in the Memorial Hospital at times to meet the convenience of applicants. Fee to be arranged with instructor.

3.* **Neuro-pathology.** Dr. Stevenson. Hours to be arranged. Class limited to five students. Fee \$50.

BACTERIOLOGY.

1. **Applied Immunology.** Drs. Coca and Cooke. Clinical work at the New York Hospital with the collaboration of the Department of Medicine. Laboratory Course at the New York Hospital: the entire month of June five mornings and four afternoons a week. Fee \$205.

The laboratory course includes: the demonstration of the principal phenomena of anaphylaxis in the guinea pig and the rabbit, with a discussion of the relation of anaphylaxis to human hypersensitiveness; the methods of preparing and standardizing the fluid extracts and solutions used in the diagnosis and treatment of asthma and hay fever; and the methods of collecting and preserving pollens that are the excitants of seasonal hay fever and asthma

Any of the clinical applications of immunological principles (such as blood matching, the Schick and Dick tests, the forensic identification of human blood) will be demonstrated on request. Graduate students have access to the laboratory at any time during the day.

The clinical course consists of demonstrations in the Dispensary of the New York Hospital, at the asthma and hay fever clinic, four afternoons weekly. Each individual has ample opportunity to become thoroughly acquainted with the methods of diagnosis and treatment of these and allied conditions.

Applications for this Course should be made before May 1st.

NEUROLOGY.

1. **Neuro-anatomy and Neuro-pathology.**—See Departments of Anatomy and Pathology. The student must present satisfactory evidence of an adequate knowledge of general histology. Fee \$25 in each department.

3.* **Clinical Neurology.**—Includes study of ambulatory and ward cases, with medical and electrical therapeutics. Two hours daily for two months. Should be preceded by Courses 1 or its equivalent. Fee \$50.

4.* **Psycho-therapeutics.**—Twice weekly for eight weeks. Should be preceded or taken in conjunction with Course 3. Fee \$25.

CORNELL UNIVERSITY MEDICAL COLLEGE

DERMATOLOGY.

1.* **Clinical Dermatology.**—Ambulatory cases. Thrice weekly for four weeks. 2-3 P.M. Fee \$50.

2.* **Histopathology of the skin and its diseases.** Twice weekly for six weeks. Class of two to five students. Fee \$100.

LARYNGOLOGY AND RHINOLOGY.

1.* **Clinical Laryngology.**—Course of 15 lessons on diagnosis and therapeutics, including operative procedures and clinics on tonsillectomy and bronchoscopy at option of student. 2 to 4 P.M., Nov. 28 to Dec. 16, 1927, or June 11 to 29, 1928. Six students. Fee \$25.00.

UROLOGY.

Clinical Urology. Dr. Wilson. Ambulatory cases, including Endoscopy and Cystoscopy. Thrice weekly for four weeks. Fee \$50.00.

OPHTHALMOLOGY.

1.* **Ophthalmoscopy.** 20 hours. Fee \$25.

2.* **External Diseases of the Eye.** 20 hours. Fee \$25.

3.* **Diseases of the Eye Muscles.** 15 hours. Fee \$20.

4.* **Refraction and Retinoscopy.** 20 hours. Fee \$25.

5.* **Simulation of Amblyopia and Amaurosis.** 5 hours. Fee \$20.

6.* **Clinical Ophthalmology.** Daily 2-3 P.M. Fee per month, \$25.

7.* **Ophthalmic Operation on the Cadaver.** (This course is given in co-operation with the Department of Anatomy.) 20 hours. Fee \$50.

8.* **Pathological Histology of the Eye.**—(This course is given in co-operation with the Department of Pathology and must be applied for in advance.) 20 hours. Fee \$50.

9.* **Slit-lamp Microscopy.** 20 hours. Fee \$50.

THE GRADUATE SCHOOL.

The Faculty of the Graduate School has control of graduate work in all departments of Cornell University and exclusive jurisdiction over the granting of all advanced degrees. Certain professors in the scientific departments of the Medical College in New York City offer graduate instruction as an integral part of the Graduate School of Cornell University. Properly qualified students may accordingly enter upon graduate work in New York City under the jurisdiction of professors in these departments and may become candidates for advanced degrees under the same conditions as apply to students in other divisions of the Graduate School. In all cases, such students are required to register each term at the Office of the Dean of the Graduate School, Cornell University, Ithaca, N. Y., or at the office of the Director of the Medical College in New York City. A copy of the Announcement of the Graduate School, giving the rules and regulations pertaining to advanced degrees and the list of departments and subjects in which graduate instruction is offered, will be sent on application to the Dean of the Graduate School.

Graduates of the following colleges of the University, namely, the College of Arts and Sciences, the Medical College, the College of Architecture, the College of Engineering, and the New York State Colleges of Agriculture, Home Economics and Veterinary Medicine,—or of other institutions in which the requirements for the first degree are substantially equivalent,—are eligible for admission to the Graduate School. In other cases, studies pursued after graduation, and experience gained by professional work or otherwise are taken into consideration in deciding whether the candidate's preparation as a whole is such as to justify his admission to the Graduate School.

Graduate students resident in New York City and working under the direction of members of the Faculty connected with the Cornell Medical College are students in the Graduate School of Cornell University, and as candidates for an advanced degree are subject to all the regulations laid down by the Faculty of the Graduate School. The members of the Medical College who give instruction to graduate students constitute Group F of the Faculty of the Graduate School, and the Chairman of this Group, Professor C. R. Stockard, is a member of the General Committee of this Faculty. Graduate students in New York City are advised to acquaint themselves with the rules and regulations of the Graduate School as set down in the Announcement, and to correspond directly with the Office of the Dean of the Graduate School in Ithaca. Professor Stockard, as Chairman of Group F, will be willing to advise with graduate students in New York in regard to the details of their graduate work and plans for candidacy. Copies of the Announcement and various official forms used by the Graduate School may also be obtained from the Director's office at the Medical College.

Fees.

A Matriculation Fee of \$10.00 is required of every student upon entrance into the University. It must be paid at the time of registration.

A Tuition Fee of \$75.00 for the academic year is to be paid by all students registered in the Graduate School.

CORNELL UNIVERSITY MEDICAL COLLEGE

An Administration Fee of \$25.00 is to be paid by all students registered in the Graduate School.

A Graduation Fee of \$20.00 is required, at least ten days before the degree is to be conferred, of every candidate for an advanced degree. The Fee will be returned if the degree is not conferred.

Certain classes of students are exempt from payment of the tuition fee. They are:

(1) Graduate students holding appointments as University Fellows or Graduate Scholars.

(2) Graduate students holding appointments as assistants and instructors and having their major studies in the college or line of work in which they are instructing, are exempt only from the payment of tuition fees in the department in which they are employed to give instruction; members of the instructing staff who take work for which they must pay tuition are required to pay in proportion to the amount of work for which they are registered.



COURSES FOR GRADUATES

SCHEDULE OF REQUIRED COURSES AND ALLOTTED HOURS.

COURSE	HOURS			
	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Fourth Year</i>
ANATOMY				
Histology and Embryology....	258	...	...	...
Gross Anatomy	350	...	...	...
Neuro-Anatomy	88	...	...	...
Typographical Anatomy .....	...	36	...	...
PHYSIOLOGY	165	153	...	...
CHEMISTRY	239	...	...	...
PHARMACOLOGY .....	...	66	44	...
PATHOLOGY .....	...	195	48	...
Pathological Anatomy .....	...	66	10	...
BACTERIOLOGY .....	...	210	...	...
MEDICINE .....	...	159	100	312
Therapeutics .....	...	...	11	...
Clinical Pathology .....	...	...	96	...
SURGERY .....	...	93	157	312
OBSTETRICS .....	...	...	86	98
GYNECOLOGY .....	...	...	20	102
PEDIATRICS .....	...	...	92	108
NEUROLOGY .....	...	...	21	36
PSYCHIATRY .....	...	...	65	...
UROLOGY .....	...	21	20	...
DERMATOLOGY .....	...	21	32	...
LARYNGOLOGY & RHINOLOGY .	...	10	32	...
OPHTHALMOLOGY .....	...	31	12	...
OTOLOGY .....	...	...	15	...
ORTHOPEDIC SURGERY .....	...	...	22	36
ROENTGENOLOGY .....	...	10	31	...
HYGIENE .....	...	...	150	...
MILITARY SCIENCE	30	...	...	...
ELECTIVES .....	...	...	...	240
TOTALS	1130	1071	1064	1244

GRAND TOTAL—4509 Hours.

CORNELL UNIVERSITY MEDICAL COLLEGE

FACULTY OF MEDICINE AT ITHACA.

- LIVINGSTON FARRAND, A.M., M.D., LL.D.,
President.
- ABRAM TUCKER KERR, B.S., M.D.,
*Secretary of the Medical College at Ithaca,
Professor of Anatomy.*
- SIMON HENRY GAGE, B.S.,
Professor of Histology and Embryology, Emeritus.
- BENJAMIN FREEMAN KINGSBURY, PH.D., M.D.,
Professor of Histology and Embryology.
- JAMES BATCHELLOR SUMNER, A.M., PH.D.,
Assistant Professor of Biochemistry.
- JAMES WENCELAS PAPEZ, A.B., M.D.,
Assistant Professor of Anatomy and Neurology.
- HOWARD BERNHARDT ADELMANN, A.M., PH.D.,
Assistant Professor of Histology and Embryology.
- HOWARD SCOTT LIDDELL, M.A., PH.D.,
Assistant Professor of Physiology.
- JOSEPH ALMA DYE, A.B., PH.D.,
Assistant Professor of Physiology.
- GEORGE HARRISON MAUGHAN, A.M., PH.D.,
Instructor in Physiology.
- JAKE LUIDENS WIERDA, A.B.,
Instructor in Anatomy.
- SAMUEL PRYOR PICKERING, A.B.,
Instructor in Anatomy.
- FISK WILLIAM STOCKING SCUDDER, A.B.,
Instructor in Histology and Embryology.
- RUTH ELEANOR MACMILLAN, M.A.,
instructor in Histology and Embryology.
- DAVID BIRNEY HAND, A.B.,
Instructor in Biochemistry.
- JOSEPH STANLEY KIRK, B.S.,
Assistant in Biochemistry.
- RUSSELL MILLISER, A.B.,
Assistant in Anatomy.
- DWIGHT LEONARD ESPE, M.S.,
Assistant in Physiology.
- ABEL ROSS MILLER, A.B.,
Assistant in Physiology.
- EDITH ELIZABETH RAE, A.B.,
Assistant in Histology and Embryology.
- VIRGIL MASON, A.B.,
Assistant in Histology and Embryology.

ITHACA DIVISION

INSTRUCTION AT ITHACA.

DURING THE FIRST YEAR OF THE COURSE.

CALENDAR FOR ITHACA.

First Term, 1929-1930.

September 23, 24.	Monday and Tuesday—Registration and assignment of New Students.
September 24, 25.	Tuesday and Wednesday—Registration and assignment of Old Students.
September 26.	Thursday—Instruction begins.
November 27.	Wednesday—Instruction ends at 6 P.M.
December 2.	Monday—Instruction resumed at 8 A.M.
December 21.	Saturday—Instruction ends at 1 P.M. (Christmas recess).
January 6.	Monday—Instruction resumed at 8 A.M.
January 11.	Saturday—Founder's Day.
January 27.	Monday—Term examinations begin.
February 5.	Wednesday—Term examinations end; first term closes.

Second Term.

February 7.	Friday—Registration for the second term.
February 10.	Monday—Instruction begins at 8 A.M.
March 29.	Saturday—Instruction ends at 1 P.M. (Spring recess).
April 7.	Monday—Instruction resumed at 8 A.M.
May 24.	Saturday—Spring and Navy Day.
June 2.	Monday—Final examinations begin.
June 10.	Tuesday—Final examinations end.

General Statement.

From its foundation Cornell University has offered special courses for students preparing for the study of Medicine; first in the Natural History course, and later also in a special two-year Medical Preparatory course. In 1898 the Medical College was established in New York City with a four years' course. At the same time the work of the first two years was duplicated at the University in Ithaca, since many of the fundamental scientific subjects of which this part of the course mainly consists were already provided for in the long-established departments of Botany, Zoology, Comparative Anatomy, Physics, Chemistry, Physiology, Histology, Embryology, and Bacteriology. The courses in these departments were modified where necessary and additional courses were added so as to make the work at Ithaca equivalent to the first two years in New York City. In 1908, the work of the second year was discontinued at Ithaca.

Other Colleges of the University.—Among the facilities of the University of special value to the Medical College may be mentioned the museums of Vertebrate and Invertebrate Zoology (including Entomology and Comparative Anatomy), of Agriculture, of Botany, of Geology, and of Veterinary Medicine. The University Library, with its 742,723 volumes and pamphlets, and over 2,000 current periodicals and transactions, is as freely open to medical students as to other University students.

CORNELL UNIVERSITY MEDICAL COLLEGE

Stimson Hall. This is a modern and thoroughly equipped laboratory building erected for the Medical College at Ithaca in 1902. It was made possible through the generosity of the late Dean Sage of Albany and named at his desire Stimson Hall in recognition of the services rendered by Dr. Lewis A. Stimson toward the establishment of the Medical College. The building was especially designed for teaching and research in anatomy, histology, embryology, and physiology. The building is constructed of Ohio sandstone. The general form is that of an E, 157 feet long and 50 feet wide with wings 40 feet square.

In the cellar are the cold-storage, embalming, cremating rooms and store-rooms.

In the basement are the ventilating and cold-storage machinery, a large lecture room, a research room, and an advanced laboratory for histology, besides the lower part of the large amphitheatre. Here also is located the operating room for the department of physiology.

On the first floor are located the coat rooms for men and women, college office, library, reading room, faculty room, and histology and embryology research laboratory, general laboratory for experimental physiology, demonstration, metabolism and dark room for physiology, and the upper part of the large amphitheatre.

On the second floor is the department of histology and embryology with a large general laboratory, a research laboratory, preparation rooms, and private laboratories for the instructors. Upon this floor also is located the department of Physiology with a large general laboratory for biochemistry, research laboratories for biochemistry, a research laboratory for experimental physiology, an incubator room, repair shop and private laboratories for the instructors.

The third floor consists of the general and special dissecting rooms for gross anatomy and neurology, study rooms, and amphitheatre, besides rooms for the instructors.

The attic is utilized for photography, macerating the skeletons, and for storage.

The air in the building is constantly changed by forced ventilation. The lighting is especially good in all the rooms.

In the court behind the building is a house for alcohol and inflammables and provision for experimental animals, including a small animal house. An animal house and experimental laboratories are located at some distance from the medical building on the Physiology Field Station.

The VanCleaf Memorial Library. This library, endowed by Mr. Mynderse VanCleaf in honor of his brother, Dr. Charles VanCleaf, is located in Stimson Hall and supplements the extensive facilities of the University Library by a steadily growing collection of reference works and periodicals of importance for the work of instruction and research conducted in Stimson Hall. The library room is lighted by indirect overhead light, and the reading desks are provided with day-lite lamp fixtures.

ITHACA DIVISION

Experimental Field Station. An important adjunct to the Department of Physiology is an Experimental Field Station which consists of nine acres situated in the open country about two miles from the Medical College. In this fenced field a barn for the accommodation of large animals such as sheep and goats, and proper houses with runs for small animals have been provided. In such a station animals under observation in feeding and nutrition experiments, for example, may be kept under ideal conditions for long periods of time. A laboratory equipped for the study of conditioned reflexes has been constructed in which it is possible, due to the quiet environment, to provide an experimental room practically sound proof. This is essential for success in the investigation of conditioned reflexes. Communication between the station and the laboratory is maintained by a motor truck belonging to the department.

The Sarah Manning Sage Research Fund. As a recognition of the importance of the research side of university work, and as a timely and generous gift, there came in 1916 a bequest of \$50,000 by the will of Sarah Manning Sage, widow of Dean Sage, the donor of Stimson Hall. The income of this sum, or in the discretion of the University the principal also, shall be used to promote the advancement of medical science by the prosecution of research in the Cornell University Medical College at Ithaca, in connection with any and all subjects at any time embraced in the curriculum.

CORNELL UNIVERSITY MEDICAL COLLEGE

DEPARTMENTS, METHODS, AND FACILITIES.
ANATOMY.

ABRAM T. KERR, B.S., M.D., *Professor.*

JAMES W. PAPEZ, A.B., M.D., *Assistant Professor of Anatomy and Neurology.*

J. LUIDENS WIERDA, A.B., *Instructor.*

S. PRYOR PICKERING, A.B., *Instructor.*

RUSSELL MILLISER, A.B., *Assistant.*

The courses in anatomy are designed to provide a comprehensive and detailed study of the structure of the human body.

The work in gross anatomy is mostly concentrated in the first term of the first year. The laboratory is open from eight to five on week days, except Saturday. Twenty-five hours a week are allowed for the required work in the first term and four hours a week in the second term. Students who have additional hours free may devote more time to the subject. The work consists mainly of dissection followed by recitation on the part dissected. For this work there is an ample supply of dissecting material well embalmed and kept in cold storage ready for use. Each student is required to do a clean and careful dissection of a lateral half of the body. The regional method of dissection is followed. The student is furnished a systematic laboratory outline so arranged where possible that the structures in each region can be studied together as a topographic, functional or surgical area. It is realized that no one method or point of view is sufficient or applicable to every region. The purpose throughout is to make the student find and identify every structure, to appreciate its functional significance, its relations and its peculiar characteristics, to assemble details into general concepts, to visualize and interpret every region and organ. The aim is to direct the student to work methodically, to observe carefully and to think clearly and independently. He is encouraged to make careful notes and as many drawings as time permits. Where feasible, he is taught to compare his findings on the cadaver with conditions in the living body. An X-ray outfit in the department makes it possible in many regions to compare the X-ray picture from the cadaver with the findings in the dissection. A complete disarticulated skeleton is loaned to each student so that the bones may be available for study when encountered in course of dissection. In addition the department is well equipped with models, cross sections, and special dissections for study and demonstration. For study of the finer structure of the organs, hand lenses and several binocular dissecting microscopes are provided in the laboratory. A student library containing atlases and some of the more important anatomical monographs is in connection with the laboratory. Besides the usual regional recitation on the dissected part, demonstration conferences are held about three times a week with the class as a whole or with smaller groups. Occasional lectures are given on matters that cannot be made clear by dissection and demonstrations.

The work in the anatomy of the nervous system and sense organs is given during the second term. It consists mainly of laboratory work with frequent conferences and recitations. A topographic study and dissection of the organ or part precedes or accompanies its microscopic study. Special attention is

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given to the sense organs, nerves, nuclei, reflex connections, conduction tracts and cortical areas that enter into the formation of the more important functional systems. In connection with each organ or part, its development and comparative morphology is considered. For this work an ample supply of human brains, brains of lower mammals, Weigert sections, and other preparations are available.

The department is well equipped to provide facilities for those properly qualified to undertake advanced and research work. Students with special ability or training are permitted to do more than the required work. Where time permits they are encouraged to do advanced or research work.

1. Anatomy of the Head and Neck.—First term. Credit, 4 hours, 24 actual hours a week for 6 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

2. Anatomy of the Thoracic Walls and Viscera.—First term. Credit, 1 hour, 24 actual hours a week for 2 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

3. Anatomy of the Abdominal and Pelvic Walls and Viscera.—First term. Credit, 4 hours, 24 actual hours a week for 6 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

5. The Nervous System, Anatomy, Histology, and Systematization.—Second term, credit, 3 hours, Assistant Professor Papez and Instructors. Eight hours a week laboratory with laboratory demonstrations, conferences and recitations. Dissection of the spinal cord and brain. Microscopic structure and development of the nervous system and organs of special sense.

6. Anatomy of the Living Body.—First term. Credit, 2 hours, 3 actual hours a week. Professor Kerr. Interpretation of dissecting room material by means of the living body, frozen sections, and special preparations. A review of the work of courses, 1, 2, and 3.

7. Anatomy of the Upper Extremity.—First term. Credit, 2 hours, 24 hours a week for 2 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

8. Anatomy of the Lower Extremity.—Second term. Credit, 2 hours, 4 hours a week for 16 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

9. Topographical Anatomy.—First and second terms. Credit, 2 to 5 hours. Elective. Prerequisite, anatomy courses 1, 2, 3, 7, or 8. The detailed dissection and study of any region. Professor Kerr.

12. Research in Anatomy and Neurology.—First and second terms. Professors Kerr and Papez. Advanced and research work in the laboratories. Open only to those who have taken the necessary preliminary courses, and are properly qualified.

CORNELL UNIVERSITY MEDICAL COLLEGE

HISTOLOGY AND EMBRYOLOGY.

BENJAMIN F. KINGSBURY, PH.D., M.D., *Professor.*

HOWARD B. ADELMANN, A.M., PH.D., *Assistant Professor.*

RUTH E. MACMILLAN, A.M., *Instructor.*

FISK W. A. SCUDDER, A.B., *Instructor.*

EDITH E. RAE, A.B., *Assistant.*

VIRGIL MASON, A.B., *Assistant.*

As indicated by the following courses, this department offers elementary and advanced instruction in the theory and use of the microscope and its accessories, in histology, and embryology; and opportunities for research in all of these subjects.

The material equipment consists of a good supply of modern microscopes, while camera-lucidas, polariscopes, micro-spectroscopes, photo-micrographic cameras, microtomes and other special apparatus such as dark-field illuminators are in sufficient numbers to give each student opportunity for personally learning to use them, and for applying them to any special study in which they are called for. Two projection microscopes are available for class demonstrations and for making the drawings used in reconstruction.

The rooms for the use of the department are on the second floor of Stimson Hall. They are almost perfectly lighted and consist of a large general laboratory, an advanced laboratory, a preparation room, department office, and five private laboratories for the instructing staff, where also special demonstrations of difficult subjects are given to small groups of students.

The collection of material and microscopic series of human embryology, contributed mainly by graduates of the college, is steadily growing. Every encouragement is given for the fullest utilization of the opportunities afforded by the department.

The work of the department consists of practical laboratory work, supplemented by lectures, conferences, and demonstrations. The work required of students of medicine is given in course 10. For those who have already had elsewhere satisfactory work in histology, elective work may be taken in Courses 107 and 108. Courses open to students in the College of Arts and Sciences and Veterinary Medicine are described in the announcements of these colleges.

COURSES REQUIRED OF STUDENTS OF MEDICINE.

10. Histology.—First term. Credit, 8 hours. Professors Kingsbury, Adelmann and assistant. Required of first-year students of medicine. Four laboratory periods and four lectures each week. The work includes (a) The fundamentals of human development; (b) The histology of the tissues and organs (except the nervous system); (c) The main facts of histogenesis and the development of the organs (except the nervous system). It is highly advantageous that the course be preceded by a course in embryology (see Courses of Instruction of the College of Arts and Sciences, Course 104).

ADVANCED AND ELECTIVE COURSES.

107. Advanced Work in Histology and Embryology.—First and second terms. Professor Kingsbury and Assistant Professor Adelmann. Laboratory work, eight or more actual hours a week, with Seminary (Course 108).

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This course is designed for those preparing theses for baccalaureate or advanced degrees, and for those wishing to undertake special investigations in histology and embryology.

Course 107 is open to those who have had Course 10, or its equivalent. A good reading knowledge of French and German is indispensable for the most successful work in this course. It is suggested that those who intend to take this course confer with the head of the Department as early as possible, so that the work may be planned to the best advantage.

108. **Seminary.**—First and second terms. One hour each week at an hour to be arranged.

For the discussion of current literature and the presentation of original work by the members of the Department staff and those doing advanced work in the department. It may be taken in connection with Course 107.

DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY.

JAMES B. SUMNER, A.M., PH.D., *Assistant Professor of Biochemistry.*

JOSEPH A. DYE, A.B., PH.D., *Assistant Professor of Physiology.*

HOWARD S. LIDDELL, A.M., PH.D., *Assistant Professor of Physiology.*

GEORGE H. MAUGHAN, A.M., *Instructor in Physiology.*

DAVID B. HAND, A.B., *Instructor in Biochemistry.*

J. STANLEY KIRK, B.S., *Assistant in Biochemistry.*

DWIGHT L. ESPE, M.S., *Assistant in Physiology.*

ABEL R. MILLER, A.B., *Assistant in Physiology.*

Physiology.

This subject is taught in the second term of the first year of the medical curriculum. It is the aim of the department to give the students a thorough training in the fundamentals of the science of physiology, which was formerly known as the Institutes of Medicine, and an effort is made to strike the proper balance between the study of theoretical principles in the lecture room and the practical application of these in the laboratory.

The work in physiology is given in the second term. Nine hours a week are devoted to practical exercises, special attention being given to experimental methods which are likely to be of importance in the study of clinical medicine. In the laboratory, from year to year, less and less time is taken up with frog physiology and more and more time devoted to a practical study of mammalian functions. This is made possible by the fact that the department now possesses six large Brodie type kymographs of recent pattern for the exclusive use of medical students.

The following courses are offered:

31. **Physiology of Muscle and Nerve; central and automatic nervous systems; special senses.**—Second term. Credit 4 hours. Assistant Professor Liddell and assistants. Four lectures or recitations and three laboratory periods weekly for eight weeks.

34. **Physiology of digestion and secretion; absorption; excretion; heat production and its regulation; and functions of the endocrine glands.**—Second term. Credit 4 hours. Assistant Professor Dye, Instructor Maughan and assistant. Four lectures or recitations and three laboratory periods weekly for eight

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weeks, supplemented by demonstrations, conferences and written reviews. In the Laboratory, the students will gain practical experience by making animal preparations, demonstrating and studying the physiological mechanisms of the mammalian body.

308. Advanced Work and Research in Physiology.—First and second terms. Credit two or more hours. Assistant Professor Dye. Prerequisite or parallel, courses 31 and 34 or their equivalents. This course is designed for undergraduate students who are especially interested in physiological problems and wish to undertake special investigations in this field in preparation for further work toward advanced degrees.

310. Seminary in Physiology.—Second term. Credit 1 hour. For graduate students and others properly qualified. Hour to be arranged. Members of the staff. Reports on recent advances in physiology.

Biochemistry.

In this section the student is taught the chemistry of the tissues, fluids, secretions, and excretions of the human body; the compositions of food-stuffs, and the phenomena of their digestion, absorption, and assimilation; the rôle of enzymes in the animal economy; the principles of nutrition; and the leading facts of general and special metabolism. Groups of organic compounds of especial biological importance will be discussed emphasizing particularly the carbohydrates, purins, amino acids, and fats. The fundamental properties of electrolytes and colloids and the phenomena of osmosis and dialysis will be considered in lecture room and laboratory. Instruction is given in the use of analytical methods for the examination of biological products, both normal and pathological. Those methods are principally considered which have found an application in scientific medicine, and special attention is devoted to the quantitative analysis of the gastric contents, blood, and urine. Each student completes the course by performing a metabolism experiment upon himself.

The bulk of the instruction is given in the laboratory. As occasion arises, the student's individual work there is supplemented by experimental demonstrations; while by means of lectures and recitations it is sought to co-ordinate the whole, and to expound the theoretical aspects of the subject.

The following courses are offered:

15. General Biochemistry.—Second term. Credit, 9 hours. Five lectures or recitations and four three-hour laboratory periods weekly; supplemented by demonstrations, conferences and written reviews. Assistant Professor Sumner, Instructor Hand and Mr. Kirk. Required of first year students of medicine.

17. Special Chapters in Biochemistry.—First term. Credit, 1 hour. Assistant Professor Sumner. One lecture weekly on some selected province of biological chemistry. Hour to be arranged. This is an elective course for advanced students or graduates.

320. Advanced and Research Work in Biochemistry.—First and second terms. Assistant Professor Sumner. The laboratory is open daily to all qualified persons for advanced instruction or the prosecution of research. Courses are arranged to suit the training and requirements of the individual student.

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SCHEDULE AND SUMMARIZED STATEMENT

In this schedule the counts or University hours are given on the following basis: One recitation or lecture weekly for one term or half year gives a credit of one; for laboratory work it requires two and one-half to three actual hours weekly for a term or half year to secure a credit of one.

SCHEDULE OF REQUIRED COURSES.

First Term.

	No. of Course	University Hours	Actual Hours Weekly
Anatomy	1, 2, 3, 7	11	11
Anatomy	6	2	3
Histology	10	3	3
		—	—
		21	43

Second Term.

Anatomy	8	2	4
Physiology	31	4	13
Physiology	34	4	13
Nervous System	5	3	8
Biochemistry	15	9	17
		—	—
		22	42

SUMMARY OF REQUIRED COURSES.

First Term.

1. **Anatomy of the Head and Neck.**—Credit, 4 hours, 24 actual hours a week for 6 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

2. **Anatomy of the Thoracic Walls and Viscera.**—Credit, 1 hour, 24 actual hours a week for 2 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

3. **Anatomy of the Abdominal and Pelvic Walls and Viscera.**—Credit, 4 hours, 24 actual hours a week for 6 weeks. Professors Kerr and Papez, Instructors and assistants. Laboratory work, dissection, and conferences.

6. **Anatomy of the Living Body.**—Credit, 2 hours, 3 actual hours a week. Professor Kerr.

7. **Anatomy of the Upper Extremity.**—Credit, 2 hours, 24 hours a week for 2 or more weeks. Professors Kerr and Papez and assistants.

10. **Histology.**—Credit, 8 hours. Professors Kingsbury, Adelman, instructors and assistant. Four laboratory periods and four lectures each week.

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Second Term.

31. Physiology of Muscle and Nerve; central and automatic nervous systems; special senses.—Second term. Credit, 4 hours. Assistant Professor Liddell and assistants. Four lectures or recitations and three laboratory periods, weekly for eight weeks.

34. Physiology of digestion and secretion; absorption; excretion; heat production and its regulation; functions of the endocrine glands.—Second term. Credit, 4 hours. Four lectures or recitations and three laboratory periods weekly for eight weeks, supplemented by demonstrations, conferences and written reviews. In the laboratory, the students will gain practical experience by making animal preparations, demonstrating and studying the physiological mechanisms of the mammalian body.

15. General Biochemistry.—Credit, 9 hours. Five lectures or recitations and four three-hour laboratory periods weekly, supplemented by demonstrations, conferences, and written reviews. Assistant Professor Sumner and Instructors.

5. The Nervous System Anatomy, Histology, and Development.—Credit, 3 hours. Assistant Professor Papez and Instructors. Eight actual hours a week. Dissection of the spinal cord and brain. Microscopic structure of the nervous system and organs of special sense.

8. Anatomy of the Lower Extremity.—Credit, 2 hours, 4 actual hours a week. Professors Kerr and Papez and assistants.

REQUIREMENTS FOR ADMISSION.

The requirements for admission are identical with those of the Medical College at New York City (see page 29).



GRADUATE WORK AT ITHACA.

ADMISSION.

The Graduate School has exclusive control of all graduate work carried on in the University. Graduates of the following colleges of Cornell University, namely, the College of Arts and Sciences, the College of Architecture, the College of Engineering, the Medical College, the New York State College of Agriculture, the New York State College of Home Economics, the Law School and the New York State Veterinary College, and also graduates of other institutions in which the requirements for the first degree are substantially equivalent, are eligible for admission to the Graduate School. In other cases studies pursued after graduation, and experience gained by professional work or otherwise, are taken into consideration in deciding whether the candidate's preparation as a whole is such as to justify his admission to the Graduate School. Graduates of colleges other than those of Cornell University may be admitted to the Graduate School, but not to candidacy for an advanced degree, if their training is regarded as less than one year short of that required for the first degree at Cornell University.

In order to be admitted to the Graduate School, a student must furnish evidence that he has already received a first degree, by presenting either a diploma or a statement from some official source. The simplest procedure will ordinarily be to submit an official statement from the registrar or dean that the degree has been conferred. In the case of graduates of Cornell University this is not necessary, since the records are conveniently accessible.

To avoid delays at the beginning of the academic year, those who desire to enter the Graduate School are advised to make application for admission, either in person or by letter, in the preceding spring or summer. Correspondence should be addressed to the Dean of the Graduate School, Cornell University, Ithaca, New York.

For details in regard to the selection of major and minor subjects, special committees in charge of the work of each candidate for an advanced degree, fees, time required, thesis, and special conditions to be fulfilled by each candidate for an advanced degree, reference should be made to the announcement of the Graduate School.

FACILITIES.

The facilities of the Departments of Anatomy, Histology and Embryology, Physiology and Biochemistry, have been outlined under the description of each department. These are equally available for the use of the graduate students as for medical students.

FELLOWSHIPS AND GRADUATE SCHOLARSHIPS.

Among the twenty-four fellowships and eighteen scholarships offered annually to students in the Graduate School, the following are of particular interest to students continuing work in biological sciences:

CORNELL UNIVERSITY MEDICAL COLLEGE

The Schuyler Fellowship in Animal Biology (annual value of \$400 and free tuition in the Graduate School).

The Graduate Scholarship in Animal Biology (annual value of \$200 and free tuition in the Graduate School).

THE COMBINED A.B. AND M.D. DEGREES.

The Medical College advises students to complete, whenever feasible, the full four year A.B. course before applying for admission to this college. It is possible, however, to be admitted to the Medical College under Section II of the entrance requirements. This is to provide for those students who, by specially directed or especially proficient work, accomplish the essential requirements for the Arts degree during three years of college residence. No students are admitted under this classification unless their college faculty will permit them to substitute the first year in the Cornell University Medical College for the fourth year of their college course, and no student is admitted to the second year in the Medical College without the bachelor's degree obtained after at least three years of undergraduate college work.

The first year in the medical course which may be taken in place of the fourth year of the arts work may be pursued either in Ithaca or New York City. If all the work of this year is completed satisfactorily the student receives the degree of A.B. or its equivalent, and is permitted to take the last three years of the medical work. These are taken entirely in the Cornell University Medical College in New York City.

For the convenience of college students preparing for medicine, a schedule of the courses in the College of Arts and Sciences of Cornell University, in Physics, Chemistry, and Biology, which will satisfy the requirements for admission to the Medical College, is given below. If a student is taking four years in an arts college these courses may be taken later in the course than indicated. It is important that the order given in the outline should, in the main, be followed, as certain of these courses are prerequisite for other prescribed courses. In addition to these courses required for admission to the Medical College, the student will take all courses in English; Foreign Language; Philosophy and Psychology; History; Mathematics; Economics and Government that are prescribed by the College of Arts and Sciences. It is advised that all these underclass requirements be completed before the beginning of the junior year.

Outline of the courses which the Medical College requires of its applicants for admission, and planned for the student who expects to finish his Arts courses in three years.

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First year in Arts.

		1 st Term Hours Credit	2 nd Term Hours Credit
Animal Biology (Introductory Zoology).....	1	3	3
Chemistry (Introductory Inorganic)	101		3
Chemistry (Introductory Inorganic)	103		3

Second year in Arts.

Animal Biology (Comparative Anatomy and morphology of vertebrates)	11	3	3
Chemistry (Introductory Qualitative Analysis)	210	3	
Chemistry (Introductory Quantitative Analysis)	225		3
Physics (Introductory Experimental)	3&4	3	3

Third year in Arts.

Chemistry (Elementary Organic)	375	6	
Animal Biology (Histology and Histo- genesis of the tissues)	101	4	
Animal Biology (Vertebrate Embryology)....	104		5
Physics (Introductory Physical Experiments)	55	3	

It is desirable that included in, or in addition to the modern Foreign language required for admission to the Medical College, students should obtain a reading knowledge of French and German.

Some of the additional courses suggested for election according to the needs or desires of each individual student are:

In the group of Animal Biology, Courses: 10—Cytology; 14—Genetics; 102—Histology and development of the organs; 105—Histology and Histological methods; 221—Structure of the Human Body; 222—Anatomical Methods; 303—Elementary Human Physiology; in Economics, in addition to the elementary course, courses 50, 51 and 54—Introduction to Social Science. Also courses in Psychology and additional courses in English and Public Speaking where these latter are needed.

RESIDENCE AND REGISTRATION.

The college year is nine months long, extending from the last of September till about the middle of June, and is divided into two nearly equal terms. (For exact dates, see calendar on page 99.)

No credit is given for work done in absentia. For leave of absence during the session, application should be made to the Secretary.

At the beginning of the term students must register with the University Registrar, in Morrill Hall. After registration with the University Registrar, they must register with the Secretary of the Medical College, in Stimson Hall.

EXAMINATIONS.

Students are advanced in course from one year to the next upon passing examinations upon the work of that year. The work of each year is considered final of itself. There is no unnecessary repetition of subjects taught

CORNELL UNIVERSITY MEDICAL COLLEGE

from year to year. According to the usage of the other colleges, the University student found to be markedly deficient will be dropped from the College at the end of the term in which such deficiency is shown. In the case of a student so dropped, an application for re-admission will not be considered at all until after the expiration of one term.

ADVANCEMENT FROM FIRST TO SECOND YEAR.

Upon the completion of the year in Ithaca, a transcript of the record of each student, together with a statement that such student is recommended for admission to the second year class is transmitted by the Faculty at Ithaca to the Faculty of the Medical College in New York City. As a student is not advanced from one year to another in the New York division until all the work of the year is completed, a student from Ithaca cannot enter the second-year class in New York until the entire schedule of the first year has been successfully completed. For removing any conditions, examinations are held at the beginning of the fall term, both in Ithaca and in New York City. The student is at liberty to take these examinations in Ithaca or in New York City. The examination on a subject in either place is final for that year. That is, the student will not be permitted to try an examination on a subject in Ithaca, and take advantage of the later date for the examination in New York to have a second examination on the same subject in the same autumn.

CHARGES FOR INSTRUCTION.

FIRST YEAR.

Matriculation	\$10.00
Tuition	500.00
	<hr/>
	\$510.00

Willard Straight and Infirmary fees are paid by medical students as well as by all other students.

All tuition and other fees may be changed or increased by the Trustees to take effect at any time without previous notice.

Applications for Registration in the Medical College Should be Made by March 1, and a Deposit of \$100 is Required If Accepted.

Any prospective undergraduate student intending to register in the Medical College at Ithaca for the first term of the academic year must apply for registration not later than March 1 of that year. An application received after March 1 may be accepted if, in the judgment of the Faculty there is adequate provision for the student's instruction. A deposit of \$100 is required as soon as the application is acted on favorably by the Committee. If a student completes his registration for the first term the deposit will be credited to his account. If a prospective student whose application and deposit

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have been accepted fails to complete his entrance requirements he is entitled to a refund of the deposit in excess of accrued charges. If an applicant fails for any other reason to enter the University at the beginning of the term there may, in the discretion of the comptroller and the Registrar, be refunded to him any balance above charges accrued. Such a refund will generally be made where the vacancy caused by the student's withdrawal is filled

RESIDENTIAL HALLS.

The University has six residential halls for men students situated on the Campus and furnishing accommodations for about 480 men. For particulars address the Comptroller, Ithaca, N. Y. There are, also, many private boarding and rooming houses near the University Campus. In these the cost of board and furnished room, with heat and light, varies from \$10 to \$15 a week. By the formation of clubs, students are sometimes able to reduce their expenses for room and board. Cafeterias are maintained by the University in Cascadilla Hall, in Willard Straight Hall, and one by the College of Agriculture in the Home Economics Building, where meals may be obtained at reasonable prices.

Before engaging rooms, students should carefully examine sanitary conditions and should particularly insist on satisfactory and sufficient fire escapes. The University publishes and distributes a list of approved rooming houses. This list is ready for distribution August 15. New students are advised to come to Ithaca a few days in advance of the beginning of the University duties in order that they may have ample time to secure room and board before the opening of the academic year. The Freshman Advisory Committee offers its assistance to new students in the selection of rooming and boarding houses.

The residential halls for women students are Sage College and Prudence Risley Hall. In these buildings, which are exclusively for women students, the total cost of board, laundry and rent of furnished rooms, with heat and light is \$515 a year. The halls are heated by steam, and lighted by electricity. The Dean of Women has jurisdiction over all women students in the University, and women students are not permitted to board and lodge outside of the halls for women except in houses approved by the Dean, and subject to her direction. Prospective women students should write to the Dean of Women for information concerning any matters in which they may need assistance. Dormitory facilities for women are inadequate, and prospective students desiring such accommodations are urged to make early application. Inquiries in regard to board and rooms in the women's halls should be addressed to The Manager of Residential Halls Morrill Hall, Ithaca, N. Y.

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FIRST YEAR—SESSION 1928-1929—FIRST TERM

	8	9	10	11	11.30	1	2	3
Mon.	Anatomy	Histol.	Histology			Anatomy		
Tues.	Anatomy					Anatomy		
Wed.	Anatomy	Histol.	Histology			Anatomy		
Thurs.	Anatomy					Anatomy		
Fri.	Anatomy	Histol.	Histology			Anatomy		
Sat.	Histol.	Histology						

FIRST YEAR—SESSION 1928-1929—SECOND TERM

	8	9	10	11	11.30	1	2	3
Mon.	ANATOMY					Nervous System		
Tues.	Biochem.	Physiology				Physiology		
Wed.	Physiol.	Biochem.	Nervous System			Biochemistry		
Thurs.	Physiol.	Biochem.	Physiology			Nervous System		
Fri.	Physiol.	Biochem.	Biochemistry			Biochemistry		
Sat.	Physiol.	Biochem.	Biochemistry					





STUDENT REGISTER

GRADUATES, 1928

Doctor of Medicine, June 7, 1928

Bardclay, Alexander James	New York Post Graduate Hospital A.B., 1922, Cornell University.
Bauer, Charles Edward	St. Luke's Hospital B.S., 1924, St. Lawrence University.
Beardsley, Leon	Brooklyn Hospital A.B., 1925, Cornell University.
Beckenstein, Nathan	Brooklyn Jewish Hospital A.B., 1925, Cornell University.
Beckwith, Irving Harris	New York City Hospital A.B., 1925, Cornell University.
Berek, Maurice Marshall	Mount Sinai Hospital A.B., 1925, Columbia University.
Breed, Eben Thompson	Nassau Hospital, Mineola, New York A.B., 1924, Cornell University.
Bruen, Curtis	Roosevelt Hospital A.B., 1925, Columbia University.
Bullwinkel, George Albert	Methodist Episcopal Hospital, Brooklyn, N. Y. A.B., 1925, Cornell University.
Conway, Francis Michael	New York Hospital A.B., 1924, Columbia University.
Coyne, Edwin Christopher	City Hospital, Welfare Island, N. Y. A.B., 1925, Cornell University.
Crosby, Hilda Chaffee	Philadelphia General Hospital A.B., 1924, Wellesley College.
Dean, Florence Franklin	Memorial Hospital, Worcester, Mass. A.B., 1924, Cornell University.
Dimond, Samuel	Paterson General Hospital B.S., 1924, New York University.
Earp, Ruth	Overlook Hospital, Summit, N. J. A.B., 1924, Wellesley College.
Flattery, James Francis	Knickerbocker Hospital A.B., 1924, The College of the City of New York.
Freeman, George Camp	Bellevue Hospital B.S., 1923, Rutgers College.
Goldberger, Milton	Beth Israel Hospital, Boston, Mass. A.B., 1924, Brown University.
Goodfried, Milton Seymour	Sydenham Hospital, New York, N. Y. B.S., 1924, New York University.
Gray, Lloyd Poor	Henry Ford Hospital, Detroit, Mich. A.B., 1924, Cornell University, M.A., 1925, Cornell University.
Greenberg, Sidney Matthew	Newark City Hospital A.B., 1925, Cornell University.
Greene, Harry Jonathan	Kings County Hospital B.S., 1924, Colby College.

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Gryzwacz, Patrick Louis	Fordham Hospital
B.S., 1924, Massachusetts Agricultural Hospital.	
Hall, Edward Flemmon, Jr.	Bellevue Hospital
A.B., 1924, Cornell University.	
Hatz, Bernard	Brooklyn Jewish Hospital
B.Chem., 1921, Cornell University.	
Hunt, Louise	Grasslands Hospital, Valhalla, N. Y.
A.B., 1921, Smith College.	
Kidder, James Hugh	French Hospital
A.B., 1924, Fordham University.	
Kirkland, Henry Bingham	Bellevue Hospital
A.B., 1924, Princeton University.	
Kissin, Milton	Beth Israel Hospital, New York, N. Y.
A.B., 1925, Cornell University.	
Klein, Herbert	Mount Sinai Hospital
A.B., 1923, The College of the City of New York.	
Klein, Samuel Harold	Mount Sinai Hospital
A.B., 1925, Cornell University.	
Kline, Ernest Hall	St. Luke's Hospital
A.B., 1924, Cornell University.	
Latona, Joseph Antonio, Jr.	Jersey City Hospital
A.B., 1925, Cornell University.	
Lemcke, Ilse Dorothea	New York Hospital
B.S., 1920, Barnard College.	
London, Isabel Marion	Bellevue Hospital
A.B., 1922, Barnard College.	
Malloy, Edward Francis.....	C. C. Peck Memorial Hosp. and St. Francis Hosp.
B.A., 1925, Colgate University.	
Mangelsdorff, Arthur Frederick	Lenox Hill Hospital
B.S., 1925, Rutgers College.	
McEwan, Duncan Tracy	Methodist Episcopal Hospital
A.B., 1925, Cornell University.	
Milhorat, Adolph Thomas	Presbyterian Hospital
A.B., 1924, Columbia University.	
Moses, Max	Jersey City Hospital
B.S., 1925, Alfred University.	
Myerson, Samuel	Sydenham Hospital, New York, N. Y.
B.S., 1924, The College of the City of New York.	
Newman, Grace Trenholme	Bellevue Hospital
A.B., 1921, Adelphi College.	
Nowicki, Valentine Anthony	City Hospital of New York
A.B., 1925, Cornell University.	
Nyi, Tsung Tsong	Woman's Hospital of Philadelphia
A.B., 1924, Smith College.	
Paley, David Harold	Jersey City Hospital
B.S., 1925, Alfred University.	

STUDENT REGISTER

- Perry, Madelin Ruth.....Clifton Springs Sanitarium, Clifton Springs, N. Y.
A.B., 1924, Cornell University.
- Quick, Armand JamesPhiladelphia General Hospital
B.S., 1918, University of Wisconsin, M.S., 1919, University of Wisconsin,
Ph.D., 1922, University of Illinois.
- Rothfuss, Charles Howard...Methodist Episcopal Hospital, Philadelphia, Pa.
B.S., 1922, Susquehanna University.
- Shaeffer, Joseph Robert, Jr.Bellevue Hospital, IV Division
A.B., 1925, Cornell University.
- Shnayerson, Edward FelixGouverneur Hospital
B.S., 1924, Dartmouth College.
- Spiegel, RoseMount' Sinai Hospital
A.B., 1925, Cornell University.
- Stern, Morton SamuelNew Beth Israel Hospital, Boston, Mass.
B.S., 1923, Dartmouth College.
- Sussman, Marcy LeeMount Sinai Hospital
B.S., 1923, New York University, M.S., 1924, New York University.
- Tolmach, JesseJersey City Hospital
A.B., 1924, Syracuse University.
- Torrance, Calvin ClarkRochester General Hospital, Rochester, N. Y.
B. S., 1924, Colgate University.
- Trantum, Donald DennisJersey City Hospital
B.S., 1925, Colgate University.
- Turner, ReubenBellevue Hospital
A.B., 1925, Cornell University.
- Wallace, Stratford CorbettBellevue Hospital, IV Division
A.B., 1925, Columbia University.
- Weinberg, Arthur ArchibaldKings County Hospital
A.B., 1924, University of Southern California.
- Welling, Joseph GerardFrench Hospital
A.B., 1923, Fordham University.
- Wheaton, Olive WhitneyLancaster General Hospital, Lancaster, Pa.
A.B., 1924, Hunter College.
- Whitehouse, A. J.Presbyterian Hospital
A.B., 1924, Cornell University.
- Yanick, James IsidorePaterson General Hospital
B.S., 1924, Alfred University.
- Zuckerman, Isidore Charles...Brownsville & East N. Y. Hosp., Brooklyn, N. Y.
B.S., 1924, The College of the City of New York.

CORNELL UNIVERSITY MEDICAL COLLEGE

STUDENTS, 1928-29

Candidates for Degree of Doctor of Medicine.

FOURTH YEAR.

Herbert Spencer Abel, A.B., 1925, Harvard College.....	Providence, R. I.
Ethelyn Anderson, B.S., 1923, Syracuse University.....	Olean, N. Y.
Abraham Arthur Antoville, A.B., 1926, Cornell University...	New York, N. Y.
Samuel Averett Arnold, A.B., 1926, Cornell University.....	New York, N. Y.
Sara Bass, A.B., 1926, Cornell University.....	New York, N. Y.
James Randolph Beard, Jr., B.S., 1925, Wesleyan University.	Brooklyn, N. Y.
Arthur Randall Beil, Ph. B., 1925, Brown University.....	Youngstown, Ohio
William Benenson, A.B., 1925, Cornell University.....	Napanock, N. Y.
Joseph Brody, A.B., 1926, Cornell University.....	Brooklyn, N. Y.
Paul W. Cohen, B.S., College of the City of New York....	New York, N. Y.
Thomas F. Crowley, A.B., 1926, Cornell University.....	Buffalo, N. Y.
Ernani d'Angelo, A.B., 1926, Cornell University.....	Corona, L. I.
Charles Hartranft Deichman, A.B., 1926, Cornell University.	New York, N. Y.
Dominic Anthony De Santo, A.B., 1925, Columbia University.	Elizabeth, N. J.
Harold Henning Dodds, A.B., 1925, Williams College.....	Troy, N. Y.
Albert Harris Douglas, B.S., 1925, College of the City of New York	New York, N. Y.
Frank Mears Falkenbury, A.B., 1926, Cornell University....	Whitehall, N. Y.
John Stanley Fitzgerald, B.S., 1923, Hamilton College.....	Utica, N. Y.
Ruth Bridgman Ferriss, A.B., 1925, Syracuse University....	Madison, N. J.
Bernard Fread, B.S., 1925, College of the City of New York.	New York, N. Y.
Albert Harold Garofalo, A.B., 1924, Syracuse University....	Syracuse, N. Y.
William Parrish Garver, A.B., 1926, Cornell University.....	Lorian, Ohio
Herman Glassman, B.S., 1925, Colby College.....	Brooklyn, N. Y.
Jack Sternberg Goltman, B.S., 1922, University of Pennsylvania, A.B., 1925,	University of Pennsylvania Memphis, Tenn.
Charles Kemm Good, A.B., 1924, Columbia University.....	Union City, N. J.
Richard Birchill Good, B.S., 1925, New York University....	Union City, N. J.
Harry Gordon, A.B., 1926, Cornell University.....	Tarrytown, N. Y.
Grant Guillemont, A.B., 1925, Cornell University, A.M., 1926,	Cornell University
	Niagara Falls, N. Y.
Erwin Kroll Gutmann, A.B., 1925, Columbia University.....	Jersey City, N. J.
Louis Richard Haas, B.S., 1925, New York University.....	Palisade, N. J.
Virginia Clay Hamilton, A.B., 1925, Wellesley College....	Lexington, Ky.
Arthur Joseph Harrington, A.B., 1926, Cornell University...	Buffalo, N. Y.
Edwin Harry Heller, A.B., 1926, Cornell University.....	Bayside, N. Y.

STUDENT REGISTER

- Alfred Silas Ambler, A.B., 1927, Cornell University. . . . College Point, N. Y.
Rowland Thompson Bellows, Ph.B., 1925, Brown University. . East Orange, N. J.
Richard Davison Bullard, A.B., 1927, Cornell University. . Schuylerville, N. Y.

THIRD YEAR

- Alfred Silas Ambler, A.B., 1927, Cornell University.....College Point, N. Y.
Rowland Thompson Bellows, Ph.B., 1925, Brown University..East Orange, N. J.
Richard Davison Bullard, A.B., 1927, Cornell University..Schuylerville, N. Y.

CORNELL UNIVERSITY MEDICAL COLLEGE

- Herman John Christensen, B.S., 1926, Cornell University.....Ithaca, N. Y.
 Edward Craig Coats, B.S., 1927, Alfred University.....Wellsville, N. Y.
 Peter John De Bell, A.B., 1926, Hope College.....Passaic, N. J.
 Arthur John Dick, A.B., 1926, Union College.....Flushing, N. Y.
 Benjamin Victor di Iorio, A.B., 1925, Colgate University.....Utica, N. Y.
 Henry Shankland Dunning, A.B., 1927, Cornell University.....Syracuse, N. Y.
 John Aloysius Fallon, A.B., 1927, Columbia University.....Brooklyn, N. Y.
 Ben Bernard Gelfand, A.B., 1926, Morningside CollegeSioux City, Iowa
 Sol Roland Goldstein, A.B., 1926, Cornell University.....Rochester, N. Y.
 Lillian Hedvig Hellstrom, A.B., 1925, Cornell University...Haverstraw, N. Y.
 James Francis Hickey, A.G., 1922, Cornell University.....Ithaca, N. Y.
 George Fred Hilker, B.S., 1926, Rutgers College.....Perth Amboy, N. J.
 Mabel Clare Huschka, B.S., 1910, Beloit College,Minneapolis, Minn.
 Alfred Anthony Imperato, B.S., 1925, St. John's College, M.A., 1926,
 Columbia UniversityBrooklyn, N. Y.
 Hary Inkster, B.S., 1924, University of WashingtonSeattle, Wash.
 Margaret Alice Kennard, A.B., 1922, Bryn Mawr College..Newton Center, Mass.
 Marguerite Kingsbury, A.B., 1926, Cornell University.....Ithaca, N. Y.
 Nathan Kwit, A.B., 1927, Cornell University.....Brooklyn, N. Y.
 William August Lange, B.S., 1925, New York University, M.S., 1926
 New York University.....Brooklyn, N. Y.
 Hannah Virginia Langworthy, B.S., 1913, Michigan State College, M.S.,
 1915, Michigan State College.....Albany, N. Y.
 Morris Boynton Lerner, A.B., 1923, University of California...Pasadena, Calif.
 Edwin Rayner Levine, B.S., 1926, New York University.....New York, N. Y.
 Mack Lipkin, B.S., 1926, College of the City of New York....Brooklyn, N. Y.
 Edmund Vincent Lynch, B.S., 1928, College of the City of New York
 New York, N. Y.
 Robert Roden Meredith McLaughlin, A.B., 1926, Cornell University
 White Plains, N. Y.
 Charles Lowell Medd, B.S., 1927, Colgate University.....Maplewood, N. J.
 Laurence Miscall, A.B., 1926, Cornell University.....Albany, N. Y.
 Edward Joseph Moress, A.B., 1927, University of Rochester...Rochester, N. Y.
 John Gerard Muccigrosso, A.B., 1926, Fordham University...New York, N. Y.
 Charles George Murdock, Jr., A.B., 1927, Cornell University...Auburn, N. Y.
 Arcadio Tigrio Obando, A.B., 1926, University of Southern California
 Mexico, D. F.
 Irving Ostrow, A.B., 1927, Cornell University.....Poughkeepsie, N. Y.
 Helen Haslett Owen, A.B., 1918, Smith College.....Troy, N. Y.
 Warren James Pashley, A.B., 1927, Cornell University.....Oneonta, N. Y.

STUDENT REGISTER

Mildred Pellens, A.B., 1917, St. Lawrence University.....Montclair, N. J.
 Madeline Penke, A.B., 1926, Barnard College.....Corona, N. Y.
 Louis Penn, A.B., 1927, Cornell University.....Brooklyn, N. Y.
 Paul Lange Phillips, A.B., 1924, Bowdoin CollegeBrooklyn, N. Y.
 Paul William Preu, B.S., 1927, Catholic University of America..Newark, N. J.
 Solomon Rauch, A.B., 1926, Cornell University.....Astoria, L. I., N. Y.
 Walter Rautenstrauch, Jr., A.B., 1927, Columbia University,...Palisade, N. J.
 Evelyn Rogers, A.B., 1922, Bryn Mawr College, A.M., 1925, Columbia
 UniversityNew York, N. Y.
 Samuel Harry Rosen, A.B., 1925, Cornell Univeristy.....Newark, N. J.
 Frank David Rossomondo, A.B., 1926, Cornell University....New York, N. Y.
 Daniel Leslie Rothschild, A.B., 1927, Cornell University.....Newark, N. J.
 John Sassani, A.B., 1927, Cornell University.....Binghamton, N. Y.
 Walter John Schmidt, B.S., 1926, College of the City of New York
 Woodhaven, N. Y.
 George Wellington Slaughter, A.B., 1926, Hamilton College....Walden, N. Y.
 Joseph Alphonse Smith, B.S., 1926, Rutgers University.....Perth Amboy, N. J.
 David Soloway, A.B., 1926, Cornell University.....Long Island City, N. Y.
 Leo Hehir Speno, A.B., 1926, Colgate University.....Ithaca, N. Y.
 John David Stroud, A.B., 1926, Pomona College.....Pomona, Calif.
 William Dennis Thibodeau, B.S., 1925, Hobart College.....Newport, N. H.
 Michael Patsy Vinciguerra, A.B., 1926, Cornell University..Jamaica, L. I., N. Y.

SECOND YEAR

Thomas Brigham Aitcheson, A.B., 1928, Cornell University..Schuylerville, N. Y.
 Jesse B. Aronson, A.B., 1927, Cornell University.....Brooklyn, N. Y.
 Adalberto Barroso-Bernier, A.B., 1928, Cornell University
 Santa Marta, Colombia, S. A.
 Harold William Beaty, A.B., 1927, Cornell University.....Jamestown, N. Y.
 Graham L. Bennett, A.B., 1928, Cornell University.....Bath, N. Y.
 Charles James Benninger, A.B., Leland Stanford University
 San Francisco, Calif.
 James Dinwiddie Bowen, A.B., 1927, Washburn College.....Topeka, Kansas
 Charles M. Brane, A.B., 1928, Cornell University.....Yonkers, N. Y.
 Walter Stratton Britt, Jr., A.B., 1927, University of Alabama...Eufaula, Ala.
 Keeve Brodman, B.S., 1927, College of the City of New York..New York, N. Y.
 Daniel F. Brophy, B.S., 1920, College of the City of New York,
 M.A., 1924, Columbia UniversityBrooklyn, N. Y.

CORNELL UNIVERSITY MEDICAL COLLEGE

- Alyn R. Carpenter, A.B., 1928, Cornell University.....Binghamton, N. Y.
 Francis Lee Carroll, A.B., 1927, Cornell UniversityOneida, N. Y.
 William Henry Cassebaum, A.B., 1927, Cornell UniversityBrooklyn, N. Y.
 John S. Cregar, B.S., 1927, Bucknell UniversityPlainfield, N. J.
 Harry John Degenhardt, B.A., 1927, Brown University.....New York, N. Y.
 Ira H. Degenhardt, B.A., 1928, Cornell UniversityBrooklyn, N. Y.
 John William Draper, Jr., A.B., 1927, Dartmouth College....New York N. Y.
 Leonard Druckerman, A.B., 1928, Cornell University.....Brooklyn, N. Y.
 Joseph Patrick Durkin, B.S., 1927, Manhattan College.....New York, N. Y.
 Harmon Saul Ephron, B.A., 1923, University of Toronto, M.A.,
 1925, University of TorontoNew York, N. Y.
 Benjamin Esterman, A.B., 1927, Columbia University.....Brooklyn, N. Y.
 Lyman R. Fisher, A.B., 1928, Cornell University.....Ithaca, N. Y.
 Elizabeth P. Fleming, A.B., 1927, Mount Holyoke College.....Beverly, Mass.
 Donald Karl Flessa, B.S., 1927, St. John's College.....Brooklyn, N. Y.
 Frank S. French, A.B., 1927, Cornell University.....Rochester, N. Y.
 William Casper Goldwin, A.B., 1924, Cornell University.....Brooklyn, N. Y.
 Eugene Willard Green, A.B., 1928, Columbia University.....Paterson, N. J.
 Donald Carr Griffin, A.B., 1922, Dartmouth College, M.A., 1925,
 Columbia UniversityNew York, N. Y.
 Germaine Guntzer, B.S., 1923, Trinity College.....Port Chester, N. Y.
 Thomas Hale Ham, B.S., 1927, Dartmouth College.....St. Davids, Pa.
 Ruth F. Harral, A.B., 1927, Wilson College.....Drexel Hill, Pa.
 Herbert Edelman Heim, A.B., 1927, Bucknell University.....Lewisburg, Pa.
 Robert T. Henkle, A.B., 1927, Cornell University.....New London, Conn.
 Rachel G. Holloway, A.B., 1923, Wellesley College.....New York, N. Y.
 Mary Brickett Holt, B.A., 1925, State University of Iowa..Cedar Rapids, Iowa
 Elizabeth Humeston, B.S., 1926, Elmira College.....Huntington, L. I., N. Y.
 Eugene M. Katzin, A.B., 1927, Cornell University.....Newark, N. J.
 Charles Edmund Kiessling, A.B., 1928, Columbia University
 Woodside, L. I., N. Y.
 Henry Peter Lange, B.S., 1927, Colgate University.....New York, N. Y.
 Irving Le Bell, B.S., 1928, University of Pennsylvania.....New York, N. Y.
 Hyman Levy, A.B., 1928, Cornell UniversityRochester, N. Y.
 Sidney Walter Levy, A.B., 1927, Cornell University.....New York, N. Y.
 Abraham Lieberman, A.B., 1927, Columbia University.....Brooklyn, N. Y.
 Alfred Lilienfeld, B.S., 1927, New York University.....Brooklyn, N. Y.
 Marion Cotton Loizeaux, B.A., 1927, Wellesley College.....New York, N. Y.
 Martin Henry Lutz, Jr., A.B., 1928, Ohio University.....Nelsonville, Ohio





STUDENT REGISTER

Joseph John McEvoy, B.S., 1927, St. John's College..Richmond Hill, L. I., N. Y.
 Julius Marcus, A.B., 1928, Cornell University.....New York, N. Y.
 Robert C. Markey, B.S., 1927, Earlham College.....Dayton, Ohio
 Clara B. Owens, A.B., 1926, Cornell University.....State College, Pa.
 Leo Price, D.V.M., 1914, Cornell University, B.S., 1927, New York
 UniversityNew York, N. Y.
 Julius L. Rogoff, A.B., 1928, Cornell Univeristy.....Brooklyn, N. Y.
 Herman Rothman, B.S., 1927, New York University.....New York, N. Y.
 Frank William Samuels, B.S., 1927, University of Nevada.....Reno, Nevada
 Albert Christy Santy, B.S., 1927, Pennsylvania State College.....Jeannette, Pa.
 Charles Douglas Sawyer, A.B., 1927, Univ. of Michigan....Port Chester, N. Y.
 Jacob Schneider, A.B., 1927, Cornell University.....Brooklyn, N. Y.
 Roman George Schweizer, B.S., 1926, Rogers University.....Elizabeth, N. J.
 William Seldeen, A.B., 1928, Cornell University.....Amityville, L. I., N. Y.
 Morris Carlton Snitkoff, A.B., 1927, Columbia University.....Brooklyn, N. Y.
 Charles Spark, B.Sc., New York University.....New York, N. Y.
 Vernon O. Stahl, A.B., 1926, Pomona College, M.A., 1927,
 Pomona College.....Ontario, Calif.
 William Dorus Stubenbord, B.S., 1927, Wesleyan University..Little Neck, N. Y.
 Burton Warren Trask, Jr., A.B., 1927, Bowdoin College.....Rumford, Maine
 Elisha B. Van Deusen, B.S., 1927, Cornell University.....South Cairo, N. Y.
 Lawrence S. Ward, B.S., 1927, College of the City of New York..New York, N. Y.
 Herbert Morton Williams, B.S., 1927, College of the City of
 New York.....New York, N. Y.
 Mosetta Constance White, A.B., 1927, Barnard College.....New York, N. Y.
 Duncan Whitehead, A.B., 1926, Cornell University.....Fitchburg, Mass.

FIRST YEAR

Orrin Emanuel Anderson, B.S., 1928, Muskingum College..Jackson Heights, N. Y.
 Thomas Ralph Austin, B.S.Agr., 1926, University of Arizona..Chandler, Ariz.
 Vincent Harold Beeaker, A.B., 1928, University of Maine....Rumford, Maine
 William Troy Bivings, Jr., B.S., 1927, Emory University.....Atlanta, Ga.
 May Annette Borquist, A.B., 1923, Reed College.....New York, N. Y.
 Daniel Joseph Bradley, B.S., University of Notre Dame.....Brooklyn, N. Y.
 Jesse Potter Eddy, 3rd, Ph.B., 1928, Brown University.....Providence, R. I.
 Marion Fairfield, B.A., 1928, Wellesley College.....Hanover, N. H.
 Havelock Frank Fraser, A.B., 1925, Univ. of Washington..Bellingham, Wash.
 Constance Friess, A.B., 1928, Barnard College.....Jamaica, L. I., N. Y.

CORNELL UNIVERSITY MEDICAL COLLEGE

Harriet Louise Hardy, B.A., 1928, Wellesley College.....	Baltimore, Md.
Alan Lawrence Jacobs, B.A., 1928, Columbia University.....	New York, N. Y.
Leif Yngue Jacobsen, A.B., 1928, Columbia University.....	Brooklyn, N. Y.
Merrill Edward Joss, Columbia University*.....	Washington, D. C.
Edmund Noah Joyner, 3rd, B.S., Ch.E., 1927, Virginia Military Institute	Savannah, Ga.
Joseph Albert Kukis, Pennsylvania State College*.....	Kingston, Pa.
Henry Carnie Lawson, A.B., 1928, Brown University.....	Fall River, Mass.
James Webber Lent, B.Sc., 1928, Rutgers University.....	Westfield, N. J.
John Allen MacDonald, B.S., 1928, Rutgers University.....	Newark, N. J.
Joseph Howard Marvin, B.S., 1925, College of the City of New York, B.S.S., 1926, College of the City of New York, M.A., 1926, Columbia University.....	New York, N. Y.
Jack Masur, B.S., 1928, New York University.....	New York, N. Y.
Harold Russell Meyers, Jr., A.B., 1927, Brown University.....	Brooklyn, N. Y.
Walter Modell, B.S., 1928, College of the City of New York..	New York N. Y.
Albert Upham Peacock, A.B., 1927, Colby College.....	Waterville, R. I.
Harold Sheridan Poole, Jr., B.S., 1928, Wesleyan University...	Brooklyn, N. Y.
Lincoln Rahman, A.B., 1923, Cornell University.....	Ossining, N. Y.
Harry Melvin Rose, B.A., 1928, Yale College.....	Niles, Ohio
Max Rosen, B.S., 1928, College of the City of New York.....	New York, N. Y.
Dorothy Katherine Scheidell, A.B., 1928, Barnard College..	Jeffersonville, N. Y.
Richard Harry Schmidt, Cornell University*.....	Elmhurst, N. Y.
Thomas Dick Slagle, A.B., 1928, University of North Carolina..	Franklin, N. C.
Frank Adelbert Spellman, Jr., Ph.B., 1928, Brown University...	Somers, Conn.
Albert North Stevenson, Jr., B.A., 1928, Amherst Col. .	Port Washington, N. Y.
Henry Stevens, B.S., 1921, University of Wisconsin, M.S., 1923, University of Wisconsin.....	Mount Vernon, N. Y.
William Henry Summerson, B.Chem., 1927, Cornell University, M.A., 1928, Cornell University.....	Flushing, N. Y.
Joseph Martin Swindt, A.B., 1928, Pomona College.....	Pomona, Calif.
Joseph Arthur Tamerin, B.S., 1928, New York University.....	Hudson, N. Y.
William Henry Wells, A.B., 1928, Amherst College.....	White Plains, N. Y.
John Pettit West, Jr., B. S., 1927, Alabama Polytechnic Institute..	Clayton, Ala.
John Edward Whitely, B.S., 1928, St. John's College.....	Brooklyn, N. Y.
Herman Edwin Wirth, B.S., 1928, New York University..	Astoria, L. I., N. Y.
Alexander Wolf, B.A., 1928, Columbia University.....	Jersey City, N. J.
Seymour Zucker, A.B., 1928, Columbia University.....	New York, N. Y.

*Admitted under Clause II.

STUDENT REGISTER

FIRST YEAR AT ITHACA

Philip Ashman, A.B., 1928, Cornell University.....	Brooklyn, N. Y.
Rudolf Friehold Bachman, B.S., 1928, Harvard University....	Waltham, Mass.
Charles Jones Baker, A.B., 1928, Tufts College.....	Pittsfield, Mass.
Charles Kevork Bogoshian, A.B., 1928, Hamilton College.....	Utica, N. Y.
Frederick Scott Carr, B.S., 1928, Tufts College.....	Kingston, N. Y.
Howard Charles Comstock, B.S., 1928, Kenyon College.....	Kankakee, Ill.
John Girard Connell, Cornell University*.....	Worcester, Mass.
Charles Hubbard Cornish, A.B., 1928, Cornell University....	Maplewood, N. J.
Horace Pritchard Hamilton, Cornell University*.....	Oneonta, N. Y.
Carl Conrad Janowsky, Cornell University*.....	Glendale, L. I., N. Y.
Herbert Maltby Jones, Cornell University*.....	Auburn, N. Y.
Margaret Mathilde Klumpp, B.S., 1928, Tufts College.....	New York, N. Y.
Harold Horn Lowenstein, Cornell University*.....	Brooklyn, N. Y.
Marjory Jarvis Nelson, A.B., 1928, Barnard College.....	New York, N. Y.
Robert Rowland Northrup, Cornell University*.....	Ellicottville, N. Y.
Samuel Pryor Pickering, A.B., 1927, De Pauw University.....	Spiceland, Ind.
Salvatore Rainone, Cornell University*.....	Brooklyn, N. Y.
Mary Davis Ridgway, Cornell University*.....	White Church, N. Y.
Robert Edward Rothenberg, Cornell University*.....	Brooklyn, N. Y.
Abbey David Seley, A.B., 1928, New York University.....	Brooklyn, N. Y.
Thomas Eugene Shaffer, Cornell University*.....	Williamsport, Pa.
Samuel Silberman, A.B., 1928, Cornell University.....	Brooklyn, N. Y.
Arthur William Strom, Cornell University*.....	Buffalo, N. Y.
Ynez Coit Tyler, University of California*.....	Ithaca, N. Y.
Russell Rothenburger Wahl, A.B., 1925, Defiance College....	Napoleon, Ohio
Benjamin Zimmerman, Cornell University*.....	White Plains, N. Y.

Graduate Students (Not Candidates for a Degree)

Veronica Armaghanian, B.A., 1927, Yankton College (Clinical Pathology).....	New York, N. Y.
William Nathan Etkin, B.S., 1928, College of the City of New York (Anatomy).....	Brooklyn, N. Y.
Joseph B. Giovinco, A.B., 1918, St. John's College, M.D., 1924, George Washington University (Anatomy).....	San Francisco, Calif.
Endymion Francis Graham, B.A., 1924, University of Texas (Clinical Pathology).....	New York, N. Y.

*Admitted under Clause II

CORNELL UNIVERSITY MEDICAL COLLEGE

SUMMARY

Fourth Year	62
Third Year	57
Second Year	70
First Year at New York City	43
First Year at Ithaca	26
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Candidates for the degree of M.D.	258
Graduate Students	4
<hr/>	
Total.....	262





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CORNELL UNIVERSITY

- The GRADUATE SCHOOL (Degrees A.M., Ph.D., etc.)
- The COLLEGE OF ARTS AND SCIENCES (Degrees A.B. and B. Chem.)
- The COLLEGE OF LAW (Degree LL.B.)
- The MEDICAL COLLEGE* (Degree M.D.)
- The NEW YORK STATE VETERINARY COLLEGE (Degree D.V.M.)
- The COLLEGE OF AGRICULTURE (Degree B.S.)
- The COLLEGE OF ARCHITECTURE (Degree B.Arch.)
- The COLLEGE OF CIVIL ENGINEERING (Degree C.E.)
- The SIBLEY COLLEGE OF MECHANICAL ENGINEERING AND MECHANIC ARTS (Degree M.E.)

For copies of the University Publications and for additional information apply to

SECRETARY, CORNELL UNIVERSITY,
Ithaca, N. Y.

*The full four-year course of the CORNELL UNIVERSITY MEDICAL COLLEGE is given in the City of New York; the work of the first year is also given at Ithaca. Any student may take the first year either at New York City or at Ithaca. *All students take the last three years of the course in New York City only.* Special announcement of the Medical College and information of every kind regarding all four years will be furnished on application to

SECRETARY, Cornell University Medical College,
First Avenue and 28th Street, New York City.

or, (regarding first year at Ithaca),
SECRETARY, Cornell Medical College,
Stimson Hall, Ithaca, N. Y.

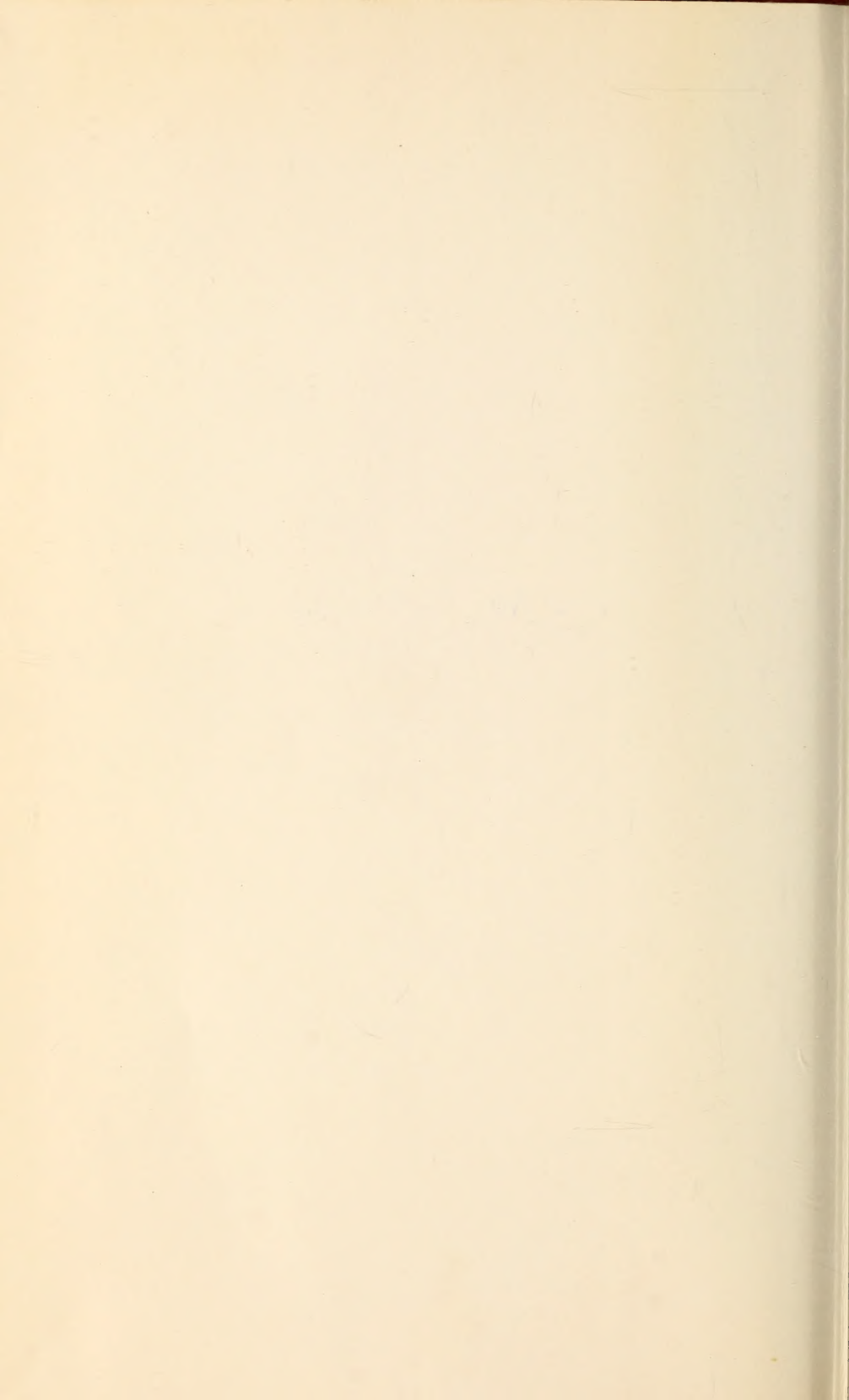
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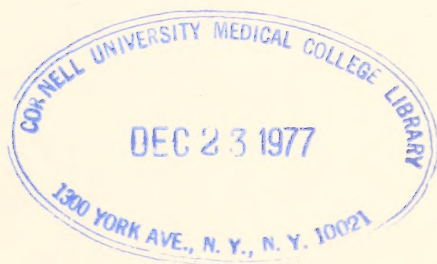




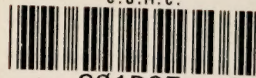
C.U.M.C.



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